

SEQUENCE LISTING

<110> Sornasse, Thierry
Cocks, Ben
Sanjawala, Bharati

<120> GENES REGULATED BY HUMAN CYTOKINES

<130> PA-0020 US

<140> To Be Assigned

<141> Herewith

<160> 516

<170> PERL Program

<210> 1

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 068454H1

<220>

<221> unsure

<222> 41, 59, 102, 105, 142, 147

<223> a, t, c, g, or other

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gtaagattta catggagaaa gncaacntag gct 153

<210> 2

<211> 51

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 153958T6

<220>

<221> unsure

<222> 6, 20, 40, 42

<223> a, t, c, g, or other

<400> 2

gcagtnngaa tcttcttttn accacaaagt aaattaatgn tnatactgtt t 51

605011-1050

PA-0020 US

<210> 3
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 155870R6

<400> 3
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ttgcaggagg gcagtactga acctgcattc ttctccttgt aaatgtaggc cgggtgcccc 180
tgttctccgg gtttggaaaca atacgagggtt ggtgctgatg ggatttactt gcgtacgtgc 240
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atgttagagg gtctcttact ccccgccag ctgtgatgtt tcatctgctt tgggtgtttt 360
ggtggtcttt tttaaaaata gagatttcac atctgcccag accccactca aaacgatttg 420
gtcaggttct ggttggaaca gtttaaaatc aagtagtgcc cggaattccc tcaaccacc 480
aacttcatcc aggaatacag tctgca 506

<210> 4
<211> 407
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 182228R6

<220>
<221> unsure
<222> 406
<223> a, t, c, g, or other

<400> 4
atctcaggcc ccaatgttta gaccggacac aactcacctc catccacagc accgtcgact 60
cttgcacatg agacagcaac agaatagaag tcagcatcgg aatctcaatg gtgcgggaga 120
tagagggaagt caccggagca gtcacataga tcatctccga aaggatccat atgccaatct 180
catgtttcag cgggaaaagg attgggtctc taaaatccag atgatgcaac tgcaaagcac 240
tgatccctac ctggatgatt tttattacca gaattacttt gaaaaactgg agaaactgtc 300
agctgctgaa gaaatacaag gtgatggccc taagaaggag cgcaccaagc ttatcacccc 360
tcaggtgggc caaactggag cagcctata agccagtga tttgang 407

<210> 5
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 259836T6

<220>
<221> unsure
<222> 73-74, 122, 141, 154, 173, 186, 189, 205, 207, 218, 227, 233-234,

PA-0020 US

<220>
<221> unsure
<222> 153, 435, 437
<223> a, t, c, g, or other

<400> 8
caaaatagtc tttattctac attttttagta taaaaattcc acaagttaag tgcaccacag 60
tgtagagaga gacatacaac gctgaacttc cataacagtc aatggtacag tcaaacatca 120
catgtacaga acacacaatt tagatgaact ganattataa gataaaataa aataaaatcc 180
aatttcagaa aacaaaaaatc aaaacattaa ggatccctga aatattctta aaccctaag 240
agatttcact ggactcaagt cattttgtag tgagacattc acaatatgac gagtggggag 300
aagtgcgagg aaagaaggaa attagtctga ctggccttct gtcctgcacc attgattcaa 360
tgagactgg cgaggaggaa tggaagacta ggggtggagat gggatgggtg gggccaagga 420
tggaaggaa aggcngncaa ctaatgcgtt ccatttataa caagtaatat atatcaaaga 480
cttaaa 486

<210> 9
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 358832T6

<400> 9
aagagaatag gagtgaggag gcaggaataa cgctgggtca ctcccaggaa gtggggaaga 60
ggctgcagcc aagaagaatg agtcaggctg ctcttccttg gctttcttgg taacagcaat 120
gaacaaaagg aagacgaggc atggactcca ggcttaagtt aacaaggcca gtctgttcag 180
gccaagcaat ggaaaggaa tgctcagatct gtccaatcca tgttcataaa gaggaaataa 240
ggcctaggctc cgtctattga ggccttggct caggattggc tggggccctt ctctttgaag 300
gtcagaggccg ctgtccccag ggcgtatagg ggccacgggg acgatacctg ccaaaacccc 360
tatgtaccac tggggcaggc cgctgataac ggggtgtggg gaagaagggc ataggcagct 420
gaggaccaac cataaaattg tcttcgacga agaaacctgc atgggctgat gaggggacat 480
ctgaatggca atagaattga tccgactgga aagtatggtc tgaggaaaaa caggcatctg 540
ggggacctgt gggaaccggg gcattccctg gtg 573

<210> 10
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 392560T6

<220>
<221> unsure
<222> 34, 56, 66, 69-70, 83, 92, 102, 135, 148, 201, 261, 294, 317, 323, 326,
355, 368, 371, 374-375, 381, 399, 403, 409, 439-440, 446
<223> a, t, c, g, or other

<400> 10
aaacaaaaca aaacaggcaa ttgataaagg cggnacaatg gggaaggaga ggtgangtgt 60
ctcctnagnn acccgacacc atntcaattc anttcaattg tnaaccacta ggagaaacag 120
aattaaataa ctatnaaggg gtacagantt aagagttcca gccttccctc ttggggaaaa 180


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ctaaggcaaa gtaatactga naaaaagtgg aggaagccac accttcaggt cactccaatg 240
aggagactgg aggggacaga ngagagaatt ccacgcagac acagcaagta agcntggctt 300
gtaaacctgg gactttngca ggnggngctg ggagctgatg gaatttgtaa accangctgt 360
ggtcaagnga nganncagga nctgtaaaca aaggggcant ganccaggng ttgaaggaga 420
tgtgcctata aatggagtnn ggtctnggcc tcccaga 457

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<210> 11
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 395368T6

<220>
 <221> unsure
 <222> 29, 77, 88, 91, 94-95, 102, 105-106, 153-154, 157, 179-180, 182, 187,
 211-213, 219, 229, 255, 260, 270, 274, 279, 286, 291, 300-301, 303, 305, 311,
 313, 316, 319-321, 323, 332
 <223> a, t, c, g, or other

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<400> 11
atatttttat gtgaaatgtg gttgtatana ttagaaataa gatttacaca tttcaaagca 60
cactactgca aaaatanatt atttttancc nccnnactct cnttnnagct ttgcctgctc 120
agatctcaat ctcaccagta gccctttatg ctngngnttt ctcaagaccc ttttcttcnn 180
gngagtngac tcttcctttt tcttcccat nnnngctgcng acaattttnc attaggttct 240
tacttaggat cactnttacn atcatcttcn gttncatcng atcttncctt ntgtttgcn 300
ntncttgc t nancangcnn ncnccaacta gnac 334

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<210> 12
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 397122T6

<220>
 <221> unsure
 <222> 72, 145, 179, 293, 314, 375, 425, 429, 438, 467, 484, 494, 500, 533,
 559, 568, 574
 <223> a, t, c, g, or other

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<400> 12
taattaaaga acaaaattaa caggaatcaa aatgttgcag ctgtattttt tgttagacat 60
tatataaaaa angaaaagta taatacagta aatcatcttg tataacatga acttaaagag 120
ttttcaaatt aattatgatc agganaaaaa tgtcttttga acataatact gaatgacant 180
gtcacatgtc cctcatgtca gaggcctggg agtggtgagc ctgcacatgc acgttgccccg 240
tctccatta cactgcagaa ctgtaaaaca aggttgaaag gcaaacaaca gtnttcttct 300
gatagagtta tgtngggtct taactgacct caacagttca cactcctcag acaccaaga 360
aggaaggaag tgtgnctctt ggttactcct cttgaaggta agtgtggtca agattgcacc 420
tgtngtngng atoctacnct tctcacaac acagcaggta gggtagnctt gagctgaact 480
tcangaaagt tccntgatgn atgttcagtg ttggtatcaa aaaattagac acnaattctt 540
ctcagaagaa atctctatng cctgtggntc ttgncaagtg cttgcttgat 590

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<210> 13
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 443631T6

<220>
<221> unsure
<222> 263, 320
<223> a, t, c, g, or other

<400> 13
aagaaaaata aataaaaatt aataatatct tgtaaattat ctattttctc cttcaatatc 60
ttaaggtaca caattatcaa agctgatatt gaacacaaac aaattgatac aattcagtaa 120
tccgataata ttcatagtca aataagttac tttaaattgc atgcaatata actttatgtt 180
ccatagcatc tttaataaaa accgtttacc aaaatggctc ttcaaactta aaaagtgcaa 240
ttacagagtg caaaatagaa ganaatacat tatattacat ttaacatcat caaatttgaa 300
taacagatat ttaaatggan attactcttt ttaaaa 336

<210> 14
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 445246T6

<220>
<221> unsure
<222> 2, 14, 58, 168, 179, 203, 246, 320
<223> a, t, c, g, or other

<400> 14
antcacaaag gcanatcaat aaccacttac tatatatata gaaatatata taattaanat 60
ggatccaatt atctcataac tgccattttt tccaacaaag agtcattcaa ttcttcatgt 120
catgaagggt aaaggcaaag tcttagtccc catcttatgc ttcccanc ctttcttgna 180
aactacattg aacctctatg ggntaatcat cgtcttctgt agccataagg tctctgcaag 240
catgcngact gcaggctcct cagattcttt ctccattccc tcaagtcag tttttaatga 300
acaggctgtt tgctttagan gtgctgt 327

<210> 15
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 460790T6

<220>
<221> unsure
<222> 8-9, 11, 22, 24, 49, 104, 122, 141, 158, 163, 166, 169-170, 178, 180,

PA-0020 US

182, 185, 191, 199, 214, 216, 218, 221, 224, 229-230, 233-234, 240, 242, 256,
259, 267, 282, 291, 301-303
<223> a, t, c, g, or other

<400> 15
ctaattcnnt ncaaaacat tntnaaatcc atctttaaac tagtcagana cacaggttat 60
tattttttta aatcacttac aactgaaca gaaaacgacc tctnaaaagg cagctgatct 120
anatcatgtc accattcata nccaatacaa catttttncc atnctnccnn aaaacctntn 180
cncanacact nctcatgcna cttatcagca cttncnanca ncengaccnn acnnacaccn 240
anacctctta tagagnacnc tgtgagngca taacatggac tngatatggc ntcacacttc 300
nnntaaagct aaaaaaaaaa ataaagaaac gcga 334

<210> 16
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 466711T6

<220>
<221> unsure
<222> 30, 76, 79, 108, 275, 318, 369, 376, 388, 432
<223> a, t, c, g, or other

<400> 16
tagcacggct gtgaggctca ttgttgaatn aagcatcctt aggcagcacg tgactgcatg 60
cagatatgtg tgctgnaana actttgcctt tttaactaaa ttaatggnc caggaacaga 120
acttggctct ttacttgcca ttcattgtcc ttcataaggg atggcctccc aacacttaac 180
ttcagctctt caaataactg tcattaaacc ttctaatact acaaacttac taccagagt 240
atacacattc ctagegattt gtggatctta accncagca tgaatgccct tgttatagcc 300
cttgcatctt ctctccantc tgcgcctta aaccaaggct gttactactg agggggcgca 360
agatttcna gcaacncatt ctccagynca ctgattaaca gcacagcatg actctgggct 420
aaatgcttgc anaaacagtt gacctgctgg gcatgggtg 458

<210> 17
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 474962T6

<400> 17
ttttcttacc cttctatgtc atactccttt taatacaccc aagaatcatg actatTTTTT 60
tcccgaaca gcctcacagc attgacttta agtttagctg atgagtata aaggctgcca 120
ttttttaaaa aacgatgttt cttttgtact caaccatgct attttaaata tattcctact 180
acatttcttc tgctaagtga gaatcatttt tctgctttgt tataattgtt atgaattata 240
cttctggagt tgagatgatt ttgattccta cctaagtgtg tagcgtgcac aatagaaaaa 300
tgaaaagaga tttcatagtt ttatattgtg caaaaggcag agacaaatat atgtatgaaa 360
actctgccca actgcttaat attgagtctt cggccctcta cct 403

<210> 18
<211> 353

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 495945T6

<220>
<221> unsure
<222> 177, 184, 275, 311, 346
<223> a, t, c, g, or other

<400> 18
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tcccctgcac atgttcacta ggacttaagc tgtgacttgc tgtggaagga tttccacct 120
tcaactgaat cccccgtttc tcccttgagt gtattctctt atgtttaaca aggcaanaca 180
tagngaagta aggtttctca cactcatcac agccataggg tctctctccc gtgtgagttc 240
tgtgatgtac aatgagcatt gtctttgtaa ggaangcttc ccacagtcac tgcatttata 300
gggttctctc ntgagtgaat tgctgatgtc taatgagttc tgactnctgt gaa 353

<210> 19
<211> 289
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 498549T6

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<221> unsure
<222> 16, 71, 124, 263
<223> a, t, c, g, or other

<400> 19
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tgggtcattc nactgctgg gcctacagag gagaggatgg aacaggtggc tggacttgga 120
gatnggagct gtttgcctgag aggcttgaag gaggcttcag aggggaatgc agccactcct 180
gccaccacct gccaggagg gagccctgag gacagaaacc ctgatctgac tgtctcccca 240
ccctcggctc tcctctcatg ctncattgg ctcaaccagc cagaactgg 289

<210> 20
<211> 161
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 504202T6

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<221> unsure
<222> 3, 9, 11, 13
<223> a, t, c, g, or other

<400> 20

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cttggtcctg ggctaggagg tctccactg tgttcaatag cttgtaaaac acctcgaacc 120
aaggcagggtg gctgaggatg cacagacagc tctgggtacc c 161

<210> 21
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 510950T6

<220>
<221> unsure
<222> 95, 110, 125, 196, 242, 246, 249, 265, 272, 275, 280, 282, 293, 301
<223> a, t, c, g, or other

<400> 21
tactccttac gcgatctttg tgtacatttt gtgtgaaaag gaaaaaaaaa taggaaaggc 60
attaagacta cctaattatt tatactgtat ttggnagaag cgtgtttcan tcaaacttta 120
acganaaata agttattctg ttttcatttg ctcccggacg tcagaaggca gagtttcaaa 180
cagagcatct tctacnacta aaccagctcg cttcagaggc cgacagtcac ccagttccag 240
angggnggnt tcaaagtggg taccntttac anctnagtan gnaaggaata gcnaattttc 300
natttttcg 308

<210> 22
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 516616T6

<220>
<221> unsure
<222> 486
<223> a, t, c, g, or other

<400> 22
ataaacttca gaagaagaat caattcacag tggctttctca gccagcacac accacccgct 60
gtaacaatca catccccgct gtgtgaatgg aggaagcgtc ctgaagagcc tgggactgtg 120
cccagttgta cttcagaaca tcagtcacct caaacggaga atgggtgtgt tcttoctgac 180
ttctctagaa ttcagacatg cttggtcaaa agaaaacagc attagagggg aaacacgggg 240
aaaacttatt gttttaagtc tgaggaaaag gcaagctccc gctccccata gtgccatttg 300
ggggaaacta gagagttgtg aatgtatcac cagaaggggt tgttttacca cgtgtaacca 360
tggtcttagg gtgagaggca taatgccagt gctgtttggt ggggtggcca aaagactccc 420
tccccagtga ggtcttgagc ccagggtgac aggatacttg gaagtgatag ctctttctca 480
cccttngttt ctgcccttcc t 501

<210> 23
<211> 478
<212> DNA
<213> Homo sapiens

665017-4425E-160

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 519083T6

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<221> unsure

<222> 7, 19, 95, 148, 162, 232, 252, 278, 336, 376, 389, 461

<223> a, t, c, g, or other

<400> 23

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gcctgtntca tagaaacanc ttacatttgc caatataagg caaatggctc atgtacagat 60
acatcaggac tgcctaactg acagtgaagt ttgcnagcca ggctccaagc taatggagct 120
aatacgggtg agctctctgc tgaatggnet ttcccttcag gntacgtcgg atctgttctc 180
ccacagggcc atcggaacc aaatgcactg gctgttcgtt ctccaagttc cnagtacttg 240
ggtctgctcc cntcctcatc aacaggcgga cagcatcnaa ttgtgtcaac cgatactgca 300
agctggcagc aacatggagg gcagtgttgc cattgnaagc ctttgcattc acaaaagaca 360
ggcaactggg cagctncaaa aagaggcgna tgagttccag atttgcttct tcagctgcc 420
aatgcagggc tgtgcggcca cttttgcgat ctttcgcttc naccgctgct cccatttg 478
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<210> 24

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 567572T6

<400> 24

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atthttcatga gcagtaatta agatatgttg aaattttaaa tgtgaaagat ttcaaagttt 60
cagtatgtta acattactct tcaaagtgtc ttaatatata tataaacact tacaattat 120
agatacaact agttgtatat ctacaatata tatatgaaca ccattcttct tctctagcca 180
tatttatatg aggataaagt aataaatctc tgtgctattc aaggaaaaaa aatgaatgct 240
ttaaaaaata aatcttttaa gaatagtttc aaaaataaag ttcaaattat gcacaaaata 300
atttaactgt aaatattact acatagtgtg aaacaatttt aaaaaaattt ttacactcta 360
cagtaaattc cactttctaa ttctataaa 389
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<210> 25

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 633724T6

<400> 25

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gagtactat atgtatgaac aacaccattg aaaaacacac agctttaaag acaagaatcc 60
tgtaaaggag taaacaccat taaatcatca tcgttctctg cccacagcgg atttttctta 120
ggagaactgg ggcaggactg ctgcttcttt acgtgtcaat acacttgagg tttcttcttg 180
tttcttcagt cttgggtatc ctagttttgt taataaacct cttccatcag ctcttccaga 240
ctgtctccat tctcccagat gctacgtgc acccagttga ttaccttg 289
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<210> 26

<211> 374

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 666761R6

<220>

<221> unsure

<222> 198, 226, 342

<223> a, t, c, g, or other

<400> 26

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ggatttttaa cttttttatg tgatgaacca cagaatgatg gttttaaatg tatgaaatac 60
atagaattgc aacagaaacc agttatgaaa taatgaagat attaaatatg acatctatat 120
tttagtaaaag cattagtgag gactgtaaaat gatctttaaa gaatttggct taaatttaat 180
ctaaaattgc tatcaggnat ttcacatcgc tgtaattttt gcctgnattc gtaactgaag 240
agataagtaa atgtcagagg ttaagataaa tctttttctt tttttacctg tccatattta 300
caaacattct gcgttccgta catagacgcc tggataagaa cncctgtgca agaatgactt 360
tggtgctact ttaa                                     374
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<210> 27

<211> 259

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 709070T6

<220>

<221> unsure

<222> 84, 93, 95, 97, 99, 164, 222

<223> a, t, c, g, or other

<400> 27

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gagtcagtg taacatgggtg gctgggagtg tgagtggatg aatggggggc ccgatatagg 60
aactggggcc tcggggatga gggagccgt ccnancngnc cttcttcac gaccatcctt 120
accttccac cccaccgct cccattctgc agatgagaaa accnaggctc cgaaaggaaa 180
aaccactgcc tggattccca cgctcttct ttaactcatt tncaggtgag ggcaggggaa 240
gaaaatccta gggtcagca                                     259
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<210> 28

<211> 475

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 993224T6

<220>

<221> unsure

<222> 28, 31, 33, 52, 56, 64, 70, 74, 80, 87, 100, 131, 141, 143, 314, 361, 374, 383, 385-386, 423, 426, 428, 442, 460, 470

<223> a, t, c, g, or other

PA-0020 US

<400> 28

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tatccaataa gagaatagaa ataaacancn ntntgtttac ggggtgcccc anggtntttac 60
cacngctacn agancactgn gaaccanagg tgtcctacan ttaataaacg catggaaaat 120
gtaaaagaga nactctgagt nanaaagcca tccaatcttt tcagagtccc atctctgaaa 180
cattttcaaat ctttatctgt ttacaaatga aactgtctac atgcaaactt taaatgtcat 240
ttttccaccc acaataactca tacctctccc tgcttaacac tggttcccca caccagagc 300
catagcaatt acanaacaaa acagtgattt gttgaacaca gtagctctaa agccacgacc 360
naacattatt tccntgaaga cancnntact atgttagtca tctgaacatt ttaccagatt 420
tcnacnanga cattatatct anacatatct tgaaggccgn ttttaactcan ctagt 475
```

<210> 29

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1234795H1

<400> 29

```
gggaaaagag gacttattgt tgtcatggcc catgagatga ttggaactca aattgtttact 60
gagaggttgg tggctctgct ggaaagtggg acggaaaaag tgctgctaatt tgatagccgg 120
ccatttgtgg aatacaatac atcccacatt ttggaagcca ttaatatcaa ctgctccaag 180
cttatgaagc gaaggttgca acaggacaaa gtgttaatta cagagctcat ccagcattca 240
gcgaaaccat aaggttgacc attgattgcc agtcaga 277
```

<210> 30

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1274557F6

<220>

<221> unsure

<222> 304

<223> a, t, c, g, or other

<400> 30

```
gtaattaatc ataaatatag aaacagtagt aatacagctg acattaccat ttaattttat 60
attatgaaag caaatcatct gcatgtgcat caaggccagt cctattcaac ctagtcttcg 120
aatgctgata tctggttagt atgtcatttt gaagttggca cataactttt ctaaaaaaaa 180
gcagtctttg ttgtttgctt cttccctacg gatgacttct aaaaatatat gacgggtata 240
aaaaaattag ctatatattgat catatcaaca ctgtaactgc tgaaatggca ttctaattgt 300
tgcnttttat tcggacaggc cacatgatgc atagagcctc tttcatgtga cctgtgtcta 360
ctgcttaaat ctttatgctg tgttgatgat attatatga catatgaagc tgtatatggg 420
gatggatttt gtggaga 437
```

<210> 31

<211> 325

<212> DNA

<213> Homo sapiens

<220>

665011-474557F6

PA-0020 US

<221> misc_feature

<223> Incyte ID No: 1304655F6

<220>

<221> unsure

<222> 17, 50, 69-70, 77-78, 82, 87, 119, 121, 148, 151, 153, 163, 171, 187, 191, 210, 216, 229, 233, 254, 283, 285, 287-288, 312, 314, 316, 318

<223> a, t, c, g, or other

<400> 31

```
gctagcgagt gaacaanttc agaaagcagg aggcttgaaa acctccagtn tcataattgc 60
tctgacagnn ggcaagnngg anggtcnggt gccatcatat gcagagaaag aggcaaagnt 120
ntccagggtca cttgggggcta gtgtttantg ngntgggtgtc ctngattttg nacaagcaca 180
gcttganaga nttgctgatt ccaaggagcn agtttncctt gtcaaaggng ganttcaggc 240
tcttaaagga gtanttagtt ctgtactagc tcagtcgtgt acngnanncc tagaattgca 300
gccctcaagt gncngngngg gggag                                     325
```

<210> 32

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1318881T6

<220>

<221> unsure

<222> 403, 449, 499-500

<223> a, t, c, g, or other

<400> 32

```
taaaggaagc aatcattcct ttatacttct ttaaatttag tattgacatt tttattttgg 60
gaaaggaggt cttttttttt tttaacatgg atacaggaaa agaaaactct ccaataaaaa 120
tattgtctaa aaagtttggt ttgtctgcat gatttactaa atatgtacaa tttcaattca 180
cagcgaaggt aacaaagatt taaacagcca acatcacaaa tgtctcaagt tctaaaaaaa 240
aatcactgtg cacagtttaa caatttaatt gaaaaaacca aagctaagcc ttcagtctga 300
atcttttttt atgatgggca caagccatgt attttcttca tctttgttac acgatgcata 360
tttcagtgcac taaaagcccc ttcccathtt agtatattag gtnatgtcag tacatactta 420
agagaggcat aaattgcctc ttggtacanc aatatgattt tgtgatgtgt tcacatataa 480
tggtcataat aatttaatnn atatatagga atgatcagga tgagtcac                    528
```

<210> 33

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1404348T6

<220>

<221> unsure

<222> 50, 75-76, 86, 95, 118, 122, 127, 133, 137, 139, 143, 146, 158, 163, 180, 185, 189, 203, 233, 276, 293, 305, 318, 325-326, 340, 346, 348, 350, 353, 356, 381

PA-0020 US

<223> a, t, c, g, or other

<400> 33

```
gaatagatca ttcagtataa acatacagta aaaacaaaa gtcttatcan gtacaacttt 60
caaaactacaa taatnntgta ccttanttac ttcctntggca cacaagtcta acatttgntt 120
tnttaanaaa tanaacncna ttagncttc taggagcntt ttntaataaa gtaattcctn 180
attantttnt ccttggtcaga tanatcacgc acctccaaaa tacaaattcc tanacacagt 240
gagcacgtta cttaaaatga acacttaagt aaattnagta cgtggacagc ccnaggataa 300
gctgncatta tagatgcngc taggnnggcc acaaaccctn agtgcnanen ggnaanagta 360
tatttgcaac tgaattttta na 382
```

<210> 34

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1415624T6

<220>

<221> unsure

<222> 458

<223> a, t, c, g, or other

<400> 34

```
tagaaatttt tacatcaaag tgtgataacc tcacttacac attgttccat acttacctgg 60
ttttgtttgc atctttctgc aaacattaaa aggagatgga tttgattctg atttttttgc 120
tatggttcat gtaaacagtt gagactgcta cataaagtag gttgttgtca aaggtgaagt 180
ggccacagaa tccaagaat agaataattc aatttggttt aatgaaattg gtggaggtct 240
tagcagatag ataatccaag actaaatatt gtcttctagg cattttaaaa attaagaact 300
ttgaggtttt cttcatgttg taaacataac ttagaccttg ttggcattaa gtttacaaaa 360
gaaaatatta aacctatgatt tttatcatcc tgcccatgtc agtatacact ctctttatta 420
tgagaatgaa accaaataat aagcaaaata catcaggntt tcaaattgta ctgcaaagaa 480
ggtcccagct ggtctcttct gggagtgatc taactaactt aagctgacct tgcgactggc 540
tgaggataat cccttctgtc cactgcaccg tgcaatgcca cagggtcatg agatgggtca 600
gttctctttg ctc 613
```

<210> 35

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1437809T6

<220>

<221> unsure

<222> 7, 28, 65, 90, 103, 108, 116, 123, 133, 139, 146-147, 180, 183, 219, 233, 259-260, 263, 280-281, 289, 291

<223> a, t, c, g, or other

<400> 35

```
gggagangcg agccttcttg gggacggnga caagaatacc gcaaagaata ccgcaatggc 60
gaacngcctt gcatagacac cgaggcgggn tagcggcgcg gcnggaanag gagagnatg 120
```

PA-0020 US

ganaaataac ttnggagang aaggtnnac catcgctcc atgggcaactg cgcggctgtn 180
atnaaggcca cagcggccct ccccgcttcg gggggtcang gtgtccactc canatatgcc 240
ttatacatc taatttgann canagtcctt gcataatccn ncatacttng ngtg 294

<210> 36
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1438157T6

<220>
<221> unsure
<222> 12, 40, 110, 112, 116, 119, 135, 152, 161-162, 194, 205, 222, 241,
244-245, 257, 262, 266, 289, 292, 304, 307, 327, 336, 352, 356, 362-363, 365,
381-382, 386-387, 407, 416, 429, 439
<223> a, t, c, g, or other

<400> 36
taactccatc tntgagaaac atttaataat gtaatgtgtn tgtgggtacag ggtgagtaca 60
gatgcacagg aggccatagg gtttaggcaa aggggagcac aaaagttgan gntgangcnc 120
tgccatcaaa gctgnggggc ttcaggccaa gnacaggagc nnaggaagcc acaagggagg 180
acattttctg cagntgctga accantagca accaggctct gngaaagccc tctcttggtg 240
nagnntaaca gccaggnggg anagcntttc atcctgcaaa gctggggcng anagttcttc 300
tttnaangtg tcatctgcac ttcagcncag gaatcntctt ggctgaagtc cngagngtcc 360
tnnngattc ctgaagtaga nnaacnnccc ggccccagg aagcgcnggg gcagcncaaa 420
gcccccgant ccactcagna tcttgctctg 450

<210> 37
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1439529T6

<220>
<221> unsure
<222> 427, 526
<223> a, t, c, g, or other

<400> 37
aaaattgaca agtttaattc ttaactgcac caagtaaact tagccattta agtatttttt 60
taagttattc cctccaaaaa actgagggag cttttctttt ccaccaccac accatggttt 120
cccaatagtt ctcttttttg aggacttttc aattgatgag taaactgctt tagatatttc 180
agaacttcat tccccaaatg aaagctaatac tggacaaact atatatgca tagatttctc 240
tacagattct ttgcttttaa acctaaatgc aactaacata gtgtaatttt aacctatttg 300
ccccacagta aaaactatct gtctgaaaa atatgatgga tatatcctgt gattttccag 360
ttaacagaat tgttctactt caaagataat tattatcata tatcaaaata accagctcaa 420
cataggncat tacttcagtc tttactggac tccataggca tatgaacttg tgcccagctt 480
tttacctctt cccacattct cctcctcctc cataagtggg atgggnatta tttaaccta 539

<210> 38

PA-0020 US

<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1454203T6

<220>
<221> unsure
<222> 490, 528, 535
<223> a, t, c, g, or other

<400> 38
acgtcagtc tttcattgtg ttcacaattt gctaattcat tttttatctt ctctagtatc 60
agatcagatc agtgtacctc caaacagaga tggaagctac actgcagttc ccaatactac 120
ttcagcatag agcaaaaatg tgaagccaat taacagagaa atcatttttg gcattattag 180
gcaatcaaag ggggttaacta aagtgaactg tggttcagaa attgagaaaat tctttttctt 240
tttgaataaa aaaaggagat gaaaaacttc cacttcttct cagtgggttac tgtagaagat 300
gtctctttac taaaaagggg ttttctacat tttaaatgag attcaggcta tcttagggaa 360
tgagcatttg tcttttcata tgattagtgt ctacccaag aatagttcca ttgatgaaga 420
ttttctatat tttttcatat cttagctatgc tatttcctca tgaaagtcca agacttttta 480
tgactgtggn aatttttagaa tatacatgaa tgatctttca gagtcacnat tttgncataa 540
tcggtaaaaa aacttattt 559

<210> 39
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1479279F6

<400> 39
aaactatgaa tagactgacc cagctggaaa gattggattt gggaagtaac gaattcacgg 60
aagtgcctga agtacttgag caactaagtg gattgaaaga gttttggatg gatgctaata 120
gactgacttt tattccaggg tttattggta gtttgaaaca gctcacatat ttggatgttt 180
ctaaaaataa tattgaaatg gttgaagaag gaatttcaac atgtgaaaac cttcaagacc 240
tcctattatc aagcaattca cttcagcagc ttcctgagac tattgggttcg ttgaagaata 300
taacaacgct taaaatagat gaaaaccagt taatgtatct gccagactct ataggagggt 360
taatatcagt agaagaactg gattgtagtt tcaatgaagt tgaagctttg ccttcatcta 420
ttgggcagct tactaactta agaacttttg ctgctg 456

<210> 40
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1487763T6

<220>
<221> unsure
<222> 26, 44, 51, 55, 57, 66, 78, 87, 89, 100-101, 104, 110, 113, 128

PA-0020 US

<223> a, t, c, g, or other

<400> 40

agtagcacat tgcattctgtt aagtgnccca gctcacctgt aatngttatg nttcnancgg 60
ttgttncatt ccaagatnat ggtgtangng ttacaccccn natnttcatt tcnacattct 120
gcaggttnc 129

<210> 41

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1508830T6

<220>

<221> unsure

<222> 29, 35, 42, 45, 51, 53

<223> a, t, c, g, or other

<400> 41

acctcgtgcc cacacagtgc ctgtctgant ccttntgttg cncanatgtg nancaggctg 60
gcagagactt gaagcctgtg gttttgtgcc tcctttgtgt 100

<210> 42

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1510668F6

<220>

<221> unsure

<222> 254, 462

<223> a, t, c, g, or other

<400> 42

caggcatcct ctgggggtga tttggggcgc tcaacaaggc ttgatcgagc tttgggggta 60
gatctagcta ttccatgggg attcttttca gaattgctgt tttcggtaac taattccatg 120
accaggtcca tggcattgga tgacattgcg ctacactgtt gtcaccccg gtcacccgctc 180
ctcacagggtt ggatggcaag catgtttgtg tcggtcacgt caaagagggc atggacgtcg 240
tgaagaaaat atantctttc ggctctaaga gtgggaggac atccaagaag attgtcatca 300
cagactgtgg ccagttgagc taatctgtgg ccagggtgct ggcatggtgg cagctgcaaa 360
tgtccatgca cccaggtggc cgcgttgggc tgtcagccaa ggtgcctgaa acgatacgtg 420
tgcccactcc actgtcacag tgtgcctgag gaaggctgct anggatgtta gacctcggcc 480
aggacccacc acattgcttt cc 502

<210> 43

<211> 581

<212> DNA

<213> Homo sapiens

<220>

00501.10500

PA-0020 US

<221> misc_feature
<223> Incyte ID No: 1557279F6

<220>
<221> unsure
<222> 564-565
<223> a, t, c, g, or other

<400> 43
gtttaaatca agagaagttg taatctcttg ttttaagctt gcgtttgagg gaaagtgact 60
ttttcaccaa ttaatatgca ttgttctgtt gtttttattt atgattgac attatatgtg 120
acttgcataa actattttaa aaaaaaacta taatgaccaa aatagccatg gctgagaaac 180
acagtggctg ggcagttcaa taggaggtga caatatgaca acttctcaag cttgggaact 240
caccagactg tttcctcctt taggtaacag attctgtccc acggctaaac ttgtctttca 300
cgtgggaatt gcttttgtca aacgtgaaag agtaaacaat agcatttccc cagaatgcca 360
gttttatgga gccccaaatg ctctgaaaac aattagtaac ctggaagttg tcagcccaaa 420
ggaaagaaaa atcaattgta tcttgaaatt ttacctatgg ctctttggcc tggctctttg 480
ttcattataa gttagtgtgt ccttcaggaa caatgccctt aataccatag aacatggggg 540
gccttaatag tgctaacatt aaanngcaac agatgattga g 581

<210> 44
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1561237T6

<220>
<221> unsure
<222> 152, 385, 399
<223> a, t, c, g, or other

<400> 44
tgattgaaat aaaccaagca ttgttgggct gaattatgga gagacccgag gaggtagtca 60
gcctaaagcg ttgaccagc tgtgagcagc tcacaggccc tgcaggagga gcaggccagc 120
gaggagaca caagcagatt gtcctgccag gnagggcgag gagggccac ccaggccaca 180
ggggccacca aagcaaaaaa gcagattatg aggcagcttc acccctccca gcaactggggc 240
tggggcctgg cgagggtcac acctctgagt atgggggtgg tgctgggccc ccctctgggg 300
tcttcgatgg caaagacagg gttcctcgta ggacggcagg accacttctg gaggatttgg 360
agtttttttc tcttcacgag tcatnacttg taattgtana cgcacacgac ttgacatgta 420
gac 423

<210> 45
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1562722T6

<220>
<221> unsure
<222> 18-19, 511

PA-0020 US

<223> a, t, c, g, or other

<400> 45

```
aaaagaaagg aagaatanng ggaaaaaagg gagtaaggga gaagggaaaa ttcaaagcat 60
ggagaagcca ctgtttgttt ctctgcacc tgctgtctgc catctgtcta ctctttctta 120
actcttctct tctggcttct gctgtcatt ctctgttgat ctgctcttct gaacttcatt 180
agtgcacctg tgaatgataa gttcaatagc ctctctcaa tcccggtct cctccacctc 240
tctagctctg ctctcctcct tgaacattc atggctcttg acttctcatc ttccacctgt 300
ttgattctgc tccagcacct tgatcaatgt ctctctccta ccctttgtct ttaaatagcag 360
gtgccccgag ggctctgtcc ttggttctga actctccct ccatgttttc acttcttgct 420
gggttccagt taatctctct acacacattc ctctccagcc ctcaacactc tggctaacc 480
acatctctag ctatctgcta gacctctctg nctgatgatt ccaaacacac agaa 534
```

<210> 46

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1629481T6

<400> 46

```
gtaaacagac acatgaaatg gaaaagctct gcattatcag acttggtatg catctcaact 60
gaaatacaag caggactaac cagacacaca tctcataatt tccagtgtca ctgtacaact 120
atattaacag tggctcagttt ttttcaatcc acagaaaagc aagcagacaa accaaggcac 180
ttaaatgtca cttggctaata gacactcatt tcaaccctcg a 221
```

<210> 47

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1638102F6

<400> 47

```
tctggctttg ttctccgttt gaaaaaccgt cactttatag gcttaatata tctattttac 60
acattaagac tgtaccttca aactgtgttg ttccatacag tagccctagt catgtgtggc 120
taaacttgaa ttaacaaaaa ttgaataaaa tttaaaattc agttcctgag gtgcactaat 180
aacatttcaa tggctccaga gtaacatatg gctgggtggc actgtattag acaatacaga 240
atggtttcat catcacagaa agttctgctg gacagtgtg agttggaacc aggtgttctt 300
tacacacaga ccacttaaag actgagggtt tatttatata cctgagtttt ccaagcactt 360
ttatctttga ctgtggccaa cattctatag ggctaaatcc caactttagc agccggaagt 420
cgc 423
```

<210> 48

<211> 214

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1643115H1

PA-0020 US

<220>

<221> unsure

<222> 48

<223> a, t, c, g, or other

<400> 48

```
aaagttctga tcgtaccagt ctttcttcag tgggagccca ggattctnaa tctacctctt 60
taacagatga agatgtctgc catgagttgg aaggacctat ctctctctcaa gagaccagtg 120
ctacttcagg gactaagaga attgatctca gccgaataag cctggaaagt tctgcatcct 180
tggaaggatc tctgtcgaag tttgccttac ctgg 214
```

<210> 49

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1647985T6

<400> 49

```
tttattacaa ccccttttca gaaacaaacc ccaaaacaac acagagttat aaagtgaaga 60
tatatatata cacacacaca catatatata tcatacatat aattattata tactttttca 120
gttttctttt tgataactga aaatatctac aatgttttcc attccattat agattaccat 180
tccatttgca ataattacaa acacatacat attctacgtt tgcaaaacaa gattccatct 240
gtactctctc ctgacacaca cattaccttt gtctctagtc tttcactaca aattaggcct 300
ttgaaatata tctccttctc cactccattt gtagatagct tatctcccat tgtatcctat 360
cattgccaac catcagaggt aggggcacct tttctttctg acccactctc ctacacttac 420
tatttct 427
```

<210> 50

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1648034F6

<400> 50

```
caaagtcaaa tagtctttat tatgagaaag cagtgttatc taggaaagtc acatgctggt 60
ttctttctaa taaaatgaca aagcaggttt cttaaataat ttacaaaggg cagaaattgc 120
tcttgaacag ggctaccctt cctggcacat ccacagtgtc ctgcatgagc atataaatag 180
gtacccgtga gccacaggtc gtaagcctgg aaatatctcc tatgccttcc tccgagtccc 240
tggtagggaa aggagggatg agagtggggc cctcaagagc cttggcacca gaaacacagt 300
gggtgagtga ctctgcggat gactccccaa aaaccaggca cccgggtaca gagctaagag 360
ctctcaaata tctgatgcta gcattcatgt tatagatgag gcaaatagaa ggctcaaggt 420
caagtgtacg atgagtttct aagctcaaga gtcccctagg aaagcagaag gaacaattct 480
ccccctctgc aaggtctccc caagacactc tcaggctatg 520
```

<210> 51

<211> 320

<212> DNA

<213> Homo sapiens

<220>

PA-0020 US

<221> misc_feature
<223> Incyte ID No: 1674289T6

<220>
<221> unsure
<222> 31, 67, 69, 71, 75, 79-80, 83, 87, 89-91, 94, 127, 141, 166, 169, 172,
175-176, 182, 196, 200, 206, 219-220, 223, 225, 227, 243, 261, 270, 274, 276,
288, 293, 305-306
<223> a, t, c, g, or other

<400> 51
tgatatagct atttttgtaa gaacatcctc ntggactttg ggtaattaa atctaaactt 60
atttaangnt naacnagggn aangtgnann natntgctaa aagaatcaag taataattac 120
ttagctncat tcttgagggt ngatgactt ctagctgaac tcactntgnt cngtnngatt 180
tnttaaatcc cttttngtan acctanttc acgaaattnn aanancnttc acttcagaaa 240
ggnaaacagt tgttggggct nagcacttan ttntcntgag caggaagnag ttntctccaa 300
acttngcca tctggatact 320

<210> 52
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1685691T6

<400> 52
taaaaatgtg caaatcattt gtttttaatg gtatttatgt ttacctcttc tctacttttt 60
caaagccact aacttttagg cacatgtgga tttggtggt tttcttaggc tacaaatcat 120
ttggtccata acaagattat caaatgacaa cctggccaga gcagatacaa atgggttctga 180
cttaaatagg ttgttgagca aggagatctc acatttttaa gaatattttc agagggagaa 240
tttgagaagg ggggagaaaa aaacaaacag gaatgaacat aaaagtataa aattctagac 300
aaccactaa accagttagc aaaaagagga gctcttaatt gaaatagaga atttcccaa 360
aaaaagggtc gaatttat ttaaaacatt agatttgga aatacctaatt ttgaaagttt 420
aattttcata tatacgtaa acctgctttt agggtagttt agtcaaagct gaaacaaaac 480
aaataaaatt ctggcttata tatctgatac ttgaataagg actctgaaaa aaatgttcc 540
cgtttttttt ctgcgcagcc taagatatat ttttgacatt acataaattt cagtgatatg 600
atctggctcc tatttaaca 619

<210> 53
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1693719T6

<220>
<221> unsure
<222> 133, 136, 522, 560
<223> a, t, c, g, or other

<400> 53
tcttctgtcg ccaagggtcc cggaccgagt acacggtggc agctggctta gttggtggac 60

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```
ggcttggccc actcgacgtt gaggatgagg tggtcgtagc caaagccgga caccocggca 120
atggcacgcg canatncctc gcggcgggtg aagctgatga aggcgaacct tggattggcc 180
agtggctctt tccttagcca ggtagatgcg ggagatggag ccgaaaggcc ggaagagctc 240
ctgcaggctc gtctcacgcg tgctctctga caagtgggtg acacggatgg tggcgttgct 300
gtcggctctg cggttgggtt gcatggactc cccgcggcgg ctggccccgt cgcgcaggct 360
cggcggcaca tacttccctg tcttgctctg cgtggcctgc accggctcta gctctgggga 420
ccaaaagaca gtcaagttca acctcactgt ggccgaggcg tggggacaga accgccccag 480
gaagctcggg cttcagtgtt gagccagcgc aggcactgtg tncaaacccac aggcagccag 540
tttgccacga ggacaccaan gtgaca 566
```

<210> 54
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1695667F6

```
<400> 54
gtgagaagga gtttctgtga ttttaactgc tattgtaata gaaaccagtt gattctgaag 60
agtcacctct tttcctggaa atattttggc tgtgagttaa gaggaacatt attttctccc 120
atgctgggtg ctttgaaaag gggttgtcat cagtgcaatg aacttggctt gggacttccc 180
tccttcccca tggactgggc ccctgggtcc tctgttgctt ctggggagggg ccttggggagt 240
acagtttact ctaggccagg acattctaag acatgtggaa accattggtc acacctgcca 300
gcaacagaga ttagtttgta aatgtctgtt tcaggtgttt cacagcatct agtgaatgac 360
cgttgctccc ataccagatt ctgggtgacct gatcttaggc ttgacagctg tgggtggagac 420
ttgggttggc agaagcctac cttggtgtgt tggagaagtg attgcttagt gcatgagggtg 480
cctttacagc ccatttgcag tagtctggct gaagcctgct gctttga 527
```

<210> 55
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1704982T6

<220>
<221> unsure
<222> 416
<223> a, t, c, g, or other

```
<400> 55
ttgtcagtac atgacaagaa aaataagctc cctgggtccat agtggccaag acatatcatt 60
aacattgata tctaatacac aagttattgc acattgagat atcttaatag ttggataaca 120
ttcttatttt aaaacaatat gtgtggattg gagattttgc aatctaggca caaaagatat 180
cttctgatcc cttccgttat tcagaaagta attaaaaatca actaaataga ttacaaagac 240
aagaagagca aaaaattgta atctcctggg gaacatatta tgaattggag ccaattactg 300
gtatgcattt ctattaccct tggcctttgt aatctggaag ctataaactt caaaatgttc 360
aattcagcat ataagtcatt atattagaaa attccattaa aaacctatag aaggtnaaat 420
gatttaataa tagacataaa atagtaagca tgaaggtgtc catatattaa tcctggtaat 480
ctaaaatatt attgggg 497
```

<210> 56

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<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1713873T6

<220>
<221> unsure
<222> 20, 39, 56, 63, 74, 96, 105, 154, 166, 168, 171, 180, 183, 190, 274,
280, 286-287, 296, 303, 305, 309, 314-315, 324, 343, 349-350, 364, 381, 393
<223> a, t, c, g, or other

<400> 56
agaatgcatt tgaacacaan atataataat aatactacna acatacattg tgatanacat 60
ttnaaaatga taanatgtcc acctgaaaca atgcantggt catanacata cattgggtcat 120
gcacatttgt gccattttct gtaattactg agtnacaatg tctgancntt naagcatgan 180
acntattgtn caaactgaaa ctgacatcag taagaggcct aacaagtgtt atcagaagag 240
gcctcacatt tgcgtaattt gctacatcag ttncatttnn attatnnaaa ttcacnttgt 300
ttnantggnt tctnntgtaa tgancctgaa catgacattc ctncttaann gcaggcagga 360
ggcnacctct gcaaagtcag ncagttcggg agnatctc 397

<210> 57
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1755881F6

<220>
<221> unsure
<222> 25, 359, 392, 402, 407, 409, 421
<223> a, t, c, g, or other

<400> 57
ctgagaaata agtatggtgg gggcnattcc ctggggttcag aactactata aagatcagaa 60
agggtgtctt attttaattt ctgtcaaagt cctttatcac ctggaggaca aagtaaacct 120
ggaggggtga tgtggattta tgtcttgtgt ggctgatgat ggtggatgtt ttcagggtctc 180
tctgaagagg ctatcatgga gctgaacctg ccgactggta ttccatttgt ctatgaattg 240
gacaagaact tgaagcctat caagcccatg cagtttctgg gggatgaaga gacggtgcgc 300
aaagccatgg aagctgtggc tgcccagggc aaggccaaga agtgaaggcc ggcggggang 360
atactgtccc caggagcacc ctccctgccc gncttgtccc tntggcncnt cccaactgca 420
natgtcacac tggaccacat tctgtagaca tcttgagttg tagctg 466

<210> 58
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1801605T6

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<400> 58

```
tgcagattta acacatttct aatccaccac atacggatag cagtaggtat atttcttgac 60
atcattcagt ctatttcaaa aatagatttg attgtttaga ggcataattt ataaagcaag 120
ataaccaaata taaacaacag aattttaact aatattggct ttttgggatt tcttaagaaa 180
agattcacaa gcattgctca gctactggag aataattaaa tctcttcttt actcaggcac 240
ttttaatgca gtaacctcag gcttcatttt aaagtactgg ttaaaacgaa caattgcata 300
cccaaggaaa tcaaactcaa tagtggagta tttggcttga atcaaagccc acaatcccca 360
aaagaaatga gaagccaatg caaactgatt gacttgaatg aagagtattt ctacctcctt 420
ttcagtaact tcagtcccaa agcccttaaa ttctttgtag gcttcaaggt aagcacgcag 480
ccactgactc tgtagttctc tatctggata cagacta 517
```

<210> 59

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1809609T6

<400> 59

```
ttgatataaa aatataatta aaaaattttt tttggtggaa gacagatgat gctcaaattt 60
cttttccatt aagcagttgt ttctggtgat gaagaatgat ttggtaaagc agttaacaaa 120
acattttcca aagacaccag agggctctgta tagtactgca aagcaggact gaatcccttc 180
tgctgcaaat actggattcg accttgggtca atcagcaatt tacaaagatg ccctattttc 240
ttcttttctt caacactaag aagcccaggc aaacaatcag cgccatcatc tgtgattctg 300
tatactccat catcatgctc ttcactatca tcattctgat tatcttgcct ctttgtggta 360
ctatttgagg tttccaaaga tgttttccgc atcccacaag ttgcccact actcattcgc 420
tggaataaat ggaattccac tgctccaag cctagagcct gaaatattc 469
```

<210> 60

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1851506T6

<220>

<221> unsure

<222> 7, 18, 22, 30, 40, 61, 63, 71, 75, 83, 90, 96, 110, 117

<223> a, t, c, g, or other

<400> 60

```
tgtgaantaa acaatttncc anattgcatn aaaaacatgn aacaattttt tgaaacatct 60
ntntaaacta ntganagtca canatgtaan atatanaggc ttctctctgn taaaagaaag 120
g 121
```

<210> 61

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1856531T6

<400> 61

```

tccctactat caccattgtc atcatcacca tcaccatttc tatcataatc accaccatca 60
tcctcctcct cctcatcatg tccagtgtaa gctggagtgt agtggcgtga tctcggtta 120
ctgcaaaactc cgctcctggt attcaagcga ttctcctgct tctgcctccc gagtagctgg 180
aattacaggt gtgtgccacc acaccagct aatgttttgt attttttagta gaggggggt 240
ttctccatgt tggccaggct gatctcgaac tcctgacctc aggtgatcca cctctctcag 300
cgtcccgaag tgctggaatt acaggtgtga gccactgtgc ttggtctatt tttaaagtag 360
tatcaaaatg tgcccatg aaaatgtcac atactcattc ctca 404

```

<210> 62

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1873492T6

<220>

<221> unsure

<222> 506, 571, 579

<223> a, t, c, g, or other

<400> 62

```

tcaacttata accaacaatc aacatttttt agttcaggta catttggtga agaacattag 60
ggagaaatgt aaattaaata ctatgaaact atgcttttaa tgaaacatgg tctcagtaaa 120
atatggacac aaaagtttag tggttttatt gcattgttag aaaattatat tatgaaagat 180
ataaaaaaat caatgttttt ctgcttcttt tataatcagt atgccatctt ttaccattat 240
ggctttaatt ttcattctac ccaacaagtt tcaaagaata gtttattaca tgccttaata 300
aaacatttaa aatattttaca gattcaaaat agatgtttta taactgaaaa aagttcacct 360
gagaattcac cgtaacattg ccattttttt cccaagttgt taatgtgact gagtgtccac 420
atgcaacctg tatcgtctac tgcattctaac atacttattt cttattttaa aattagttaa 480
gcagtaagct atagcaaact gttaanaaaa attacaggat ggccaaccaa gactgggtatc 540
cacatttttg tttggaatat gacaatttaa ncgaattant ttgc 584

```

<210> 63

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1879193T6

<220>

<221> unsure

<222> 3, 5, 16, 56

<223> a, t, c, g, or other

<400> 63

```

canangaggc aaagtntttc acatcataga cttcacttcc aactccttgg aatgtncatt 60
tctttggctt accggagaga ctagacagga aggccaggca atgcttaggc aactaaaatg 120
aggttggggg taatgctaac gtcacctca cagggatggc cacggggact gttattcgca 180
agctgggttt ctagacctgt tagctggaag catggtgagc accatttctg gacgctcagg 240

```

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ccgtgtcggg cttcagtcac ctcaccaca caggtacagc agcgctttct ggtagtcgcc 300
cttagtgtct tgctacaatg gccagggaaa gaaaagaaac gtggtatcag aaaaaagccc 360
agactcctca ataacacaga agtagcctca acgcacaatg aagcttctcc catgacaaaag 420
agaagactct gcaggagacc tgccctgata caaaggcctg gaaggcacac cca 473

<210> 64
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1880542T6

<220>
<221> unsure
<222> 6, 8, 10, 15, 29, 33-34, 43, 54, 64, 66, 70, 90, 92, 119
<223> a, t, c, g, or other

<400> 64
aatatntnch catanattag gtaaagttna agnnttgggt cnttggagta taantttttg 60
taanantagn cattatttgg taacagaatn tnaggatgat ggaatgatgc gaaggtatna 120
cacattt 127

<210> 65
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1880666F6

<400> 65
tagccctca ctgttttcct cttatccatg attttgtagc ttcttgagag agttccctag 60
gctctggcca catacaccac tgcgttttgt tgttggtggg acactggagt acccctggat 120
tcccctctcc catctcctga gactgatctc tggagttagg ctgtggtgct ttaaccttgg 180
ctgtacatt cactagcagt ggagcaagtg aatagatacc aagtcctgtg agcagtgtt 240
ggcatatagc aagtacttct taaatgttaa ctgttgctac ttttaaatct cttacctcta 300
ataagccgtt ccagatgctt cctgatggga gataaacact g 341

<210> 66
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1881257T6

<220>
<221> unsure
<222> 21, 382, 449
<223> a, t, c, g, or other

<400> 66

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```
ttagagatac aaaatTTTTat ntacaattat tcagattaaa acattttaaac tttaggtttt 60
atttacaagt atttatctta tcttctcttc ctatttgacg ttttagctca agaagagtta 120
aaatggaatg catctgtaga tatatagttg ggaatgcgtg ttcagtcact tggctctgtg 180
ataataatct tatgtaccat gtcagacaga ttttcagact ccagatcctc tttgccatta 240
tctgaatttc ctgatgagat atagcaacca gagtcccttg ggcagtcata taactgtgac 300
ttattttaagg agatgtctga gctcaaggat aggggctcag gttcattttc ttgctcttga 360
ataactgtaa atggaaaaaa anggcaggag ttaggttaaag caacacaaaa tcttattcat 420
ggtactcatt cactttcaag tattatccna ttttaactgg tctaaccatg act 473
```

<210> 67
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1900194T6

<220>
<221> unsure
<222> 136, 155, 157, 160-161, 166, 168, 170-171, 173-175, 177, 179-182, 184,
186, 191, 193, 206, 216, 218, 220, 231, 239, 244, 247, 250-251
<223> a, t, c, g, or other

```
<400> 67
tgggtggttg tgtacaggac ccccatccct caccctccc agaaccaaag aagacaagca 60
gcgccaccaa atggctccct ctgcccaagt gaaagccgag aggtcagcgg ctggctgggg 120
aggcaggtga gcgcanacgg cacagggcag gggcngntgn ngngnngcnn 180
nncngnctgg ncngggggtg atgggnagat ggcgngntn cttgggtagc ngggtaggnt 240
tgngngntgn nggttgga 259
```

<210> 68
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1908377F6

```
<400> 68
catgagtctg ctattgttaa agcaacacaa atcagccgga gaaaacacct attttctcgt 60
gataaactaa agctttttct gaagcaacac tgtgaaccac aagatggagt cattaaaata 120
aaggcatcat ctctttcaac gtataaaata gcagaacaag atttttctta tttcttccct 180
gatgatccac ccacatttat cttcagtcct gctaacagac gaagaggag acctcccaaa 240
cgaatacata ttagtcaaga ggacaatgtt gctaataaac agactcttgc aagttatagg 300
agcaaagcta ctaaagaaa agataaactt ttgaaacaag aagaaatgaa gtcactggct 360
ttttgaaaa 369
```

<210> 69
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

PA-0020 US

<223> Incyte ID No: 1909861F6

<220>

<221> unsure

<222> 80

<223> a, t, c, g, or other

<400> 69

```
ctgcccgtct cggcctccca aagtgtgtga agggaacaag gagatatatt ctgggtgaag 60
ggtgatgctg gctgcagatn gtgagccctc agactcacta gtggacatgg aagatgagga 120
aaggggcccc agcatggcag tgggaagggc tggggacctt cagggttgggc ccacaggggt 180
aggagacatt accgtggggc ca 202
```

<210> 70

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1911715T6

<220>

<221> unsure

<222> 187

<223> a, t, c, g, or other

<400> 70

```
acaaattatc aagaaaaaga caagccagta gaaaaacaga taaggatgca actaaacaat 60
tttcaaaaaa gcaaatcaaa tagccagtaa gcttaggaga agatgctgaa atgcattaat 120
attaaggagag acacagacta agataatatg ctatcaactt agactcatcc aattggaaat 180
tttttanaag gtaaacatac cttttcgtga tatgaattga gggaacatgt actcttacat 240
tttgcttcta aaactgtcaa ttgttagaag tttttttgga aagcaatctg gaaaaatctg 300
ttggaattta ttaaattgat gtacccatcg aaca 334
```

<210> 71

<211> 215

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1930135F6

<400> 71

```
gttacttaca gtagcacaga aatgttagca tattttattta aatagtcctg cagcagagac 60
cctgcgattg taaagtgatt taagtatttc tgggtagtgt ttgtgattta cggatttggt 120
actgaaaaac aaaaaaaatc actactgtga atttactact atgtaacctt gtggtcgtat 180
ttcattataa ataaaataag aattgctctt ctgcc 215
```

<210> 72

<211> 533

<212> DNA

<213> Homo sapiens

<220>

PA-0020 US

<221> misc_feature
<223> Incyte ID No: 1943678T6

<220>
<221> unsure
<222> 122-124, 384, 465
<223> a, t, c, g, or other

<400> 72
agggaggatc gatgccacgt gggccccagc tcacccgggt ggaggctggg agctgaaacc 60
gaacccaggc aggagatggg cgacggcgga ggtgcaaggc agggcacggc gcacaagacg 120
annncggccg ggcgggggtg attagaggtc actctcgccg tacagcgccg tggagaagga 180
catgtagtcc agagcacctg gcacggagtc ggggcccgtg tagggggcca tccgcgcgat 240
gcagtactca gcttggtcgg gtggcagctc gcggcgcaact cgtccatggt aatgtagttc 300
ttgtccccag ccaggatctt gaaggaagcc atgacttggg ctgctgtatc tgtgtcggct 360
gtctcgcggg acatgaagtc aatnaaggcc tggaatgtca ctacccccag gcggttgggg 420
tccacaaatg ctcatgatgc gggcaaattc tgctttctcc catgntgtaa cccatggaga 480
tcaggcaggc gcggaaatca tcogtgtcca tcatgcctgt cttctttctg ggg 533

<210> 73
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1963968T6

<400> 73
cattttcata ataaaatggt atatccacaa ataaaaatta aaaacaattg agaggtgggg 60
aaaatatcag tattatttta aaaaaataaa aatggcaatt gtaaagcagg cagtttcttg 120
ctcatgccac acgatatgcc ttcattaagg tgtactcttt ccggttgggt tgagcagccc 180
agatgaagag agcagaagcc atgaactgta agggagcaga gacacaagcc aggcagaagg 240
accatccaaa ttcaccgat acattgtcag ggagctctag tttctgggtg agtagttcca 300
ttccagcaac ataacaactt actgagccca gtgtacacag acctgcaagg agatggagaa 360
tgcccg 367

<210> 74
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1973066T6

<220>
<221> unsure
<222> 204
<223> a, t, c, g, or other

<400> 74
agagcaatag gaaaaattaa atcatttccc acatattggt ttcttaaaac agagcctaca 60
aggacatatt cagcaccaaa taataaaggga aaaaaagaga aattacaaac agccatagaa 120
tataatctat aaagcaaca tttaatatg cactttgttt tgctaacatt ttggatttta 180
cttttcctaa ttgaaaaatc aggnatctat cttgaatact ggaatacaac tgtgaacctc 240

PA-0020 US

```
acatcttatg tcaggaattg accaatattt ttaaaaaagt aatgcctcta aagaaataca 300
tttttaaagg gaaaataaaa ctttatttga taaagtttta tacattttaa gttttatcac 360
atcttgatgat ccagtgccaa ttatcagaat attggtcatt cttgcttcat gtgttatttg 420
taagagtata taatgacaag tattcccaat gctatgcata tcaacaatt 469
```

<210> 75
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2016488T6

<220>
<221> unsure
<222> 499
<223> a, t, c, g, or other

```
<400> 75
gtagatataa cttccaggaa ataagttaca taaatataac agaataaatt cattttctta 60
agtttcaaat taaagatgat taagaaatac agctttatgt aaagtttctg ctttttctca 120
accacgccta aagaggaaag aactggcagc aggaacactt gtccttagga aacaaataca 180
acaaaattat aattaaaaag atcttcaagc tatcaaaatt tgtgagagaa ggatggtaag 240
aatgcagtag aaattaccaa atgacaaaca aaatcctatc agttttcagg ttggtcaaaa 300
gtaacttcat gaatatagcc tgtgatcagc atatgtccca tagcttataat gccctctata 360
cctccagagt tgcataataa actttttaaca ataaaacaac aacgaatatc aggttgtaaa 420
tatttatatt tctctcacat acaatgttgt atgagacact tgttttaata tgtatccata 480
ggattaatac tcatatggna gtataatgtg 510
```

<210> 76
<211> 65
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2025468T6

<220>
<221> unsure
<222> 5, 14, 18, 37, 51, 53, 59
<223> a, t, c, g, or other

```
<400> 76
gatanagaag caanaaancc aggcaaatac ccatcanaga cagtgcacaag ngnagctgng 60
ggcac 65
```

<210> 77
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2054867T6

PA-0020 US

<220>

<221> unsure

<222> 49, 65, 275, 301, 306, 330, 360, 377, 429, 431

<223> a, t, c, g, or other

<400> 77

```
aaataaaaaa gggatcaatc aacatatatc ttagaagtcc ttccaagant cttggtatgc 60
aacanccatg gaggtgtgga cttttttcct tcttttctca gcctgcagtt catttaagga 120
tcaccggaga tgactcgtgc tctagttcct aaaatcaaac ttgttctgcc aaatccaaga 180
ccctgaattt gtccaaattg tagaaacatg cttttaccac ccgtccacca aaatacctcc 240
cattcaagtc aacaaccgct ttaattgctg attcnactct ctcaaattct aaaaatatcc 300
ntactncttc atcatcaggg ggcaccaggn atttcaaata tcacacattt tccaactttt 360
gccatatttt tcacatnctt ccttggtttc aacttccaag tcttcatcca cctctcccgc 420
accaaccang ntccttagta agaccacttt agta 454
```

<210> 78

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2073909T6

<220>

<221> unsure

<222> 24, 56, 68, 70, 74-75, 79, 111, 116, 123, 128, 131, 136, 139, 141, 146-147, 151

<223> a, t, c, g, or other

<400> 78

```
agctgggaaa atcagcgggt gganttgccc acacgctcca gctcgtcctt cttctnaatg 60
gcataggngn tcgngagnc cttggcagga ttgatgagct catctgccag ntactnagca 120
atngtctnaa ngttcnggna ngcagnttca nga 153
```

<210> 79

<211> 89

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2102771T6

<220>

<221> unsure

<222> 54, 59, 66

<223> a, t, c, g, or other

<400> 79

```
aggaatagat gcttgggatg tattaatgag caaaacaata ccagtagcaa actnttacnc 60
gcaganaagg gtttcaaata ttgttgga 89
```

<210> 80

<211> 522

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2121554T6

<400> 80

```
gcaataaata aaaccagaca tattgacttc taaaaaacia aaccaaacia aaaaaaaatc 60
ccctaaacta tatacatcct acaggaatac aggcattatc aaatgtagaa atgggtatcac 120
tctgaaagat ggggctatct acacaagtta caagaattgc gttgctgtct ttaagaagtc 180
tcctccttga ataactcata aactctaagg gagagagagt actgggtggg aagcgggggt 240
caaagaggag acatcctcca tctttattga tggacaagac agtctcaagg aaaaacatca 300
atatccaaac accgtattga gtcccttaac aaggctccac agatcagctg gctttcaaaa 360
agcctggaag ggtgctccac tcaggaactc ccaagagaaa ccatcttgct cctcagccag 420
gctgggactg gcagtggagc catgctgagc cagtggcaaa cccgtgggct gtgggtttca 480
caagacaacc tggctctgtg ctgtcacacc cagccttcaa ca 522
```

<210> 81

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2134473T6

<400> 81

```
ataaaacact aacaagttgt gatctgcaag taaaaaatc caatatgaaa ttctctgtgc 60
ttctatttac cctaagattg ctaggtcttc gctaagacct ttgttattat gaatagcagc 120
aaacagatac atacattata gagccaacia cagagatgaa taacatagct cagaatttca 180
ggaaatggac agaccagaac ttaatgctct tcaaaaagta aaatataaag ctatcctccc 240
acgttttagta cggagatcta attaaagtaa ccatctttaa atgatacttt caagtatttt 300
ccaaccatag taggtcfaat agttgtactc tttttagtgg gttccctttt tagttgttct 360
catagaaagg gattaattct gaacaattag ccaattaatt taaattaatt ttaatcatga 420
gcaatacagt acctagaaca catgtaagga tgaatctgaa cactttcccc ttattttact 480
ttgaggataa cagagaacia tggaaaacac tatccttcag ttatcaaaaa ctactgtgg 540
gcaatggtta ccaatacatt aaaggctgta ctg 573
```

<210> 82

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2208881T6

<220>

<221> unsure

<222> 49, 97-99, 157, 166, 225-226, 236, 242, 258, 279-280, 283, 289-290, 297, 307, 323, 368, 387, 396-398, 400, 417, 429-430

<223> a, t, c, g, or other

<400> 82

```
acaaaacaaa acaggcaatt gataaaggcg gcacaatggg gaaggagang tgagggtgtct 60
ccttagccac ccgacaccat ctcaattcag ttcaatnng aacactagg agaacagac 120
```

PA-0020 US

```
ttaaataact atcaaggggt acagaggttaa gagttcnagc cttccntctt ggggaaaact 180
aaggcaaagt aatactgaga aaaagtggag gaagccacac cttcnngtca ctccantgag 240
gncgactgga ggggacanag gagagaattc cccgcagann cancaagttn gcgtggnttc 300
taaaccnggg actttggcag gtngggctgg gagctgatgg aatttgtaaa ccaggctgtg 360
gtcaaggnag gaggcaggag ctgtaancaa aggggnntn acctaggcaa tgaaagnctt 420
gtgcctatnn a . 431
```

<210> 83

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2211623T6

<220>

<221> unsure

<222> 200, 223-225, 238, 242-243, 275, 278, 289, 299-300, 312, 315, 361, 376, 387, 389, 395, 404

<223> a, t, c, g, or other

<400> 83

```
gtgcaaatgt tattggctat tgtaaaaatc aatctcattt cctgaggaag tgctaacaca 60
gcttatccta tgacaatgtc aaaggcatag aatgctctat gtcaccact ccctgctgct 120
gttggttctg cttatcccca cagcttacag ggaggggagt gacccccttg gttttccagg 180
aagcatcagt tcaggggcan ctctctgctg atctgttctt tgnnngagac gggcagcntc 240
tnnggacatg gcccagcctg cccagaaga gctantngt agtgtttang gagcccgttn 300
tcaggaatct tntcntccga gcagctcctc cccgagacac tgtccagatg ctccagctca 360
ntgacagcgt tctgcnacac aatgggntnt gagangggcc tctngg 406
```

<210> 84

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2216715F6

<220>

<221> unsure

<222> 28, 57, 78, 245, 264, 266, 293-294, 296, 303, 320, 352

<223> a, t, c, g, or other

<400> 84

```
gtaaatctga attagtcaga acatctcngc ccgggaacat tttgtattta ccgatantga 60
tggccaagtg tatcatcnca ctgttggaagg aaactcagta aaagacagtg ctcggtattcc 120
accagatgga agtatgggta gtattacctg catcgcttgg aaaggtgata cattagtgtc 180
tgagatatg gatggaaatt taaatttctg ggacttgaaa ggcagagtat ccagaggaat 240
accncacac cgaagttggg tgangnagat tcgttttgct cctggtaaag ggnnchnaaga 300
ttnatagcat gtacaatgan ggagctgaag tgtgggatac taaagaggtt cngatggtga 360
g 361
```

<210> 85

<211> 196

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2239116F6

<220>

<221> unsure

<222> 122, 130

<223> a, t, c, g, or other

<400> 85

```
accactttta gcagcagatg aaagagtttc ttttcctgca attgagacag cactgggatg 60
acttggtttt ctgtttgcac cacttccatt ggttatacag gacatgggaa taactgctcg 120
anggcttggn tggcctttac ttgagactga ttttttctact gaggccacat gatcttcaga 180
gattgcaaga cgcctc 196
```

<210> 86

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2242596F6

<220>

<221> unsure

<222> 15, 23, 129, 145

<223> a, t, c, g, or other

<400> 86

```
ccgcgcttg cgcanaggaa gcngcggcga acgcggcctg aattcccggc gccggcccca 60
gtcctctgc cgtgcgcgcc atgctcgact tcttcacat tttctccaag ggcgggcttg 120
tgctctgng cttccagggc gttangactc atgcaccgga cccgttaacg cgttgattcg 180
ttccgtgctg ctgcaggaac ggggaggtaa caactccttc acccatgagg cactcacact 240
caagtataaa ctggacaacc agtttgagct ggtgtttgtg gttggttttc agaagatcct 300
gacatgacat atgtagacaa attgatagat gacgtgcac ggctgtttcg ggacaagta 359
```

<210> 87

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2264984T6

<220>

<221> unsure

<222> 303, 321, 346, 351, 368, 417, 426, 459, 463

<223> a, t, c, g, or other

<400> 87

```
tattacatga tttgtgcaat tgcaaagggtt acatttttga tctctgggtt tttaagaacg 60
```

PA-0020 US

cacgtcatgg tgagagtact ttgggtcacca cgggaaacac aaccaaccaa gtgttttgcc 120
aagagacaca gatcggaacg ctcatcacaa cactgcatgg ctcatcaggt gcaggttgcc 180
acaggtctac agtcacatgg ttaatgaaaa tccaaaacag gaccaacagg atgacacatt 240
ttctgttctt aatgtcatt gccattattg ctagtaagtc aatgggagga gaaataagct 300
gangatctga tgactgagga naagtctgac actagatttt gtccnatca ncatttatta 360
gggtcaaanga aagaacacag tttatgtggg ttttaataat gtagttttta aaagaanttc 420
agaatnacca ttcagttttc taaaaataca gttgctctng tcngtatgta gaggaagctc 480
t 481

<210> 88
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2299164R6

<400> 88
gtatggccac tgccccacta tgttttatct tcttatgtaa gtttgcatat cagtcatgac 60
tagtgccatg aaagcaatgt gatggtcagg atctcatgac attatatttg agtttctttc 120
agatcattta ggatactctt aatctcactt catcaatcaa atattttttg agtgatgct 180
gtagtgaata gagtatgtac gtacgtataa gactagagag atattaagtc tcagtacact 240
tctgtgcca tggtattcag ctactggtt tacaaatata gggtgtcttg tgggtgtagg 300
agccactgt aacaatattg ggcagccttt tttttttttt ttttaattgc aacaatgcaa 360
aagccaagaa agtataaggg tcacaagtct aaacaatgaa ttcttcaaca gggaaaacag 420
ctagcttgaa aacttgctga aaaacacaac ttgtgtttat ggcatttagt acctt 475

<210> 89
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2299181R6

<220>
<221> unsure
<222> 328, 361-362, 368, 371, 373, 382, 385-386, 389, 395, 397, 402, 430
<223> a, t, c, g, or other

<400> 89
caaatttggc tgcaggctcc ccgagtgcct gggcttctct acccagggtc ctgtctgtcg 60
gctgcaccat acgtccctga ccacaaggca tccacgtgca caggagtatg cgcccagcag 120
ctgggaagga ggctgacctc agacgggtggc ctgtggatcc cagctctgtc atttccctggc 180
tgggtgacct caacctagtc accctttttg agtcttggtt tctcagatta tgaaatagga 240
aaaatttcct tcctcgtgag ataagcacgt gccattagct attaaggaca cgcacataaa 300
tgagctgcat gtgaatccac acatgccntt ccatgaagac atcaaagagg atcatgtgga 360
nntttggngc ntncgggtg gncnncnt aaggncngtg antggtcaga cctgtcctga 420
ggcttttacn aattg 435

<210> 90
<211> 74
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>
<221> misc_feature
<223> Incyte ID No: 2328025T6

<220>
<221> unsure
<222> 56, 60, 63, 65-66, 69-70, 73
<223> a, t, c, g, or other

<400> 90
aagaaaaagc tggatctcag cattcaccag agcaaaattc aatggcaacc tgcacntaan 60
tcncnnttnn aant 74

<210> 91
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2370487T6

<400> 91
aacttttgtc tagttttgca attctcagat attccagtgc aaaaatagat cccattacag 60
acagcgtaaa gtgcttgga tgagggccaa tgatgaacaa agagcacaaa aacagcttca 120
tccttagggta taagaaggga taatagcata cctaaatcct tatggaaata gaaacattct 180
aaggggggatg caacaatttt gaaaagaatt agagcaatat ttctacagta ttacattatt 240
actagtagat aataagggtg caaattaatg tctcaatatc aaagtgggtc agtattacat 300
gacacatggc tctttggaaa atattttacc tgatatatac aaccacaaga agaaaacaca 360
gacaaatggc tttagtcaat gattactata cagtgaatga atgatgtgca acatttaata 420
gtcacaaaagc atttgctttc agtacagata atggaatata 460

<210> 92
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2376728T6

<400> 92
aaacttagtt atttgtagct gtcagatgag aagtatttcc taattacacc cattcataaa 60
cactcatttt atcacttcaa agagcaccag tgtatttttt caacaaacca gaaagtaaga 120
aggtaggggc ttattttcatg taacagtgtc attatgataa ggcaccacta ggtatatgaa 180
aaagccaaaag tattttccaaa tcatgtgttt ttgttactgg tgtcttaacc attagacagg 240
atggttagaa aaaagctgct aacattatta atgaaccaca ttatagcccc tttcccacca 300
ttctgtgctt ttagttttac ttataacaga aatgaaaaca acaacgtagt acatgacctg 360
ttaaaacaaa catcttttcc caaccttcca agaaaataac ctaaaaataa acaagaaaca 420
aaaaatttat ctgatataatt tgcaaaagcc tatccctgta gaagagtgtg aggagtggga 480
gaaggcaggg ggacctactt tctatggaat 510

<210> 93
<211> 500
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 2478811F6

<400> 93

```
caactgtatg ctactgggac agactgttgc atttgaattg tgatagattt ctttggctac 60
ctgtgcataa tgtagtttgt agtatcaatg tgttacaaga gtgattgttt cttcatgcca 120
gagaaaatga attgcaatca tcaaattggtg tttcataact tggtagtagt aacttacctt 180
accttaccta gaaaaatatt aatgtaagcc atataacatg ggatttttct caatgatttt 240
agtgcctcct tttgtacttc actcagatac taaatagtag tttattcttt aatataagtt 300
acattctgct cctcaaccaa atgcaatttt ttgtgtgtgt ttgaaagcta atttgagaaa 360
atttcatagg ttacattttc tgcagcctat ctttatccac agaaagtgtt ttcttttttt 420
taaatcaaga cttttaaaac tggatttcct cccatcactg ttttttgaag gtccctccaag 480
tccgtgttaa ggtaaatatc
```

<210> 94

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2486153T6

<400> 94

```
ctgttcatca agtcagttcc ctaatttcaa aaagccgaac caaagcaaag catgttgact 60
tacattgctt ctttagttct ttcagctggt gtttaaactg tacaaatttt tcattatttt 120
gaaagtctgc atcagaattc ttgctctgta aagccaaaaa tttcttctct accaataatt 180
ttaaatctgg tattttttct ggacgttctt ctttcacatg atttattgta gattgaacag 240
cctttacata atggttttagt tgcgatcca atgtagcaaa ttcaaccatt gccttgtcca 300
tactatattc actactcact tcagtctgac tttccacaag atccaaagca aactagaag 360
ctgtgtccat accagagttg atacaggctt ggaagttttt caaggaggag agagcagact 420
ctacaccact gaaggagatg aaaccagttg aacctgaatt tgaactggaa cgtcctggca 480
tcttgaaatt agtacctggg ccacaaaaac acagctggac tcaatatatg gggaaagtaa 540
gtgtcctcag tttttg
```

<210> 95

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2493520T6

<220>

<221> unsure

<222> 3, 5, 8, 12, 15-16, 23, 25, 32, 50-51, 61, 63, 71, 73, 83, 85, 91, 157, 162-163, 167, 185, 195-196, 217, 221, 238, 246

<223> a, t, c, g, or other

<400> 95

```
aanantanca tnaannatat ctnanaacca anagtttacc atgtctatan ntatttgtaa 60
nanaacttat nanagtgtat ctnanaaaca ncccaaatta gggccaggtt acgtgtccaa 120
taagcatttt tcaaactctc cctctgggtg tgtgcgnaca cnnatnagg ctctattaca 180
cacgnatcca agccnnggcc tcacacaatg ccacaanttt nctgtttgtg cgaaatgnct 240
```

atatanaata ca

252

<210> 96
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2514029T6

<220>
 <221> unsure
 <222> 17, 23, 26, 29, 47, 53, 57, 60, 64, 92-93, 125, 130, 132, 134-135, 209, 226, 228, 255-256, 258, 273, 318, 337, 353, 384, 388, 390, 398, 400, 403, 417
 <223> a, t, c, g, or other

<400> 96
 ctccctggccc gggaganagc ggnggnggng ggcgcgtatc aactgcngca ganacanaan 60
 cgcncgtcgt tcagcgcagt gttcatcgac gnnccctcta ggtccctgga tcttggtctg 120
 caggncgcan gngnnccttg ggcaatggtc actccagtct ccaaagtctc ccagctcag 180
 ccaggcccc tgcagttcct cgcggtctna acagcggaag ctacntngt tcgctgctgt 240
 gttgtcaccc agggngngg gtgcctccac gnaagagca aagccactag gtaggcgccg 300
 ccgcgacacc acagcggntc actccattcg cccagnttc cagactggga cnttaccacg 360
 tgcgtattgc ctaggacgtt ccncgcncn agtgcagncn tgntccatt cagtgcngtg 420
 tcg 423

<210> 97
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2518676F6

<220>
 <221> unsure
 <222> 35, 271
 <223> a, t, c, g, or other

<400> 97
 cgacagggag ggatgcgcgc ctgggtgtag ttgtngggga ggaagtggct agctcagggc 60
 ttcaggggac agacagggag agatgactga gttagatgag actagggggc gggctggggg 120
 tgcgagaagg aagcttggca aggagactag gtctagggg accacagtgg ggcaggctgc 180
 atggaaaata tccgcaggtc cccagggcag aacagccacg ctccaggcca ggctgtccct 240
 actgcctggt ggagggggaa cttgacctt nggaaggcgc cgctcttgca taactgagcg 300
 agcccgggtg cgctggtctg tgtggaagga ggaagcaagg ag 342

<210> 98
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

PA-0020 US

<223> Incyte ID No: 2545961F7

<220>

<221> unsure

<222> 124-125, 413

<223> a, t, c, g, or other

<400> 98

```
gcgggatctt caaccacctc gagcggctgc tggacgaaga aattagcaga gtacggaaag 60
acatgtacaa tgacacatta aatggcagta cagagaaaag gaggtcagaa ttgcctgatg 120
ctgnngggac ctattgttca gttacaagag aaactttatg tgcctgtaaa agaataccca 180
gattttaatt ttgttgggag aatccttggc cctagaggac ttacagccaa acaacttgaa 240
gcagaaaccg gatgtaaaat catggtccga ggcaaaggct caatgaggga taaaaaaaag 300
gaggagcaaa atagaggcaa gcccaattgg gagcatctaa atgaagattt acatgtacta 360
atcactgtgg aagatgctca gaacagagca gaaatcaaat tgaagagagc agntgaagaa 420
gtgaagaaat 430
```

<210> 99

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2547841T6

<220>

<221> unsure

<222> 261

<223> a, t, c, g, or other

<400> 99

```
tgctcagtcta catccaaatt tgctactaaa aataaaataa agtcacatcc cacattagga 60
ataccgaggt ctgaaaaaca ctttttgagc caagcctatt gtataaataa atgactagtt 120
tcttttcata tcaaaattcc cataaaaaat tacattcccc cctccccagt tctacctgta 180
gccatgatga atgtaaaaat ttaaatatga cacatccttg tcaaagaaaa ggtgcaaagt 240
ctattaacag ctttaaaagt ngcatttgca gagtgtgatc atacagttat gtactcattc 300
ccaaagtgca aatattgcca taatttaaca ctgttttgat tcagttgcaa gaattaaaca 360
ttacacagga ttgaaaagta caccagggc ctctatcagt gccctaaagc ctttccact 420
ttggtctcct tcactaaagc agactccaaa gtgttcatca gagtttagtt tacttcacac 480
agcccagcga agtatacaac attat 505
```

<210> 100

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2578906T6

<220>

<221> unsure

<222> 268, 290-291

<223> a, t, c, g, or other

```

<400> 100
acttttttct ttcaacttcc ataacaaaat acagagctat cagatacccc tggaaaaaat 60
atgtatatata tacatatatt tctataaacat tacatcatat atatataata tatatgcaaa 120
aatttgaaga ctttatagaa agcggaacat ctaaaaggca ctgcacaatg gagttaagat 180
tacttacatt ttatgtacat atacacactt tactctgctc aagcaggtaa ctagtgaagt 240
cacctttcac atgtaaatgt ctcattcnca aatccctgca tcacaattcn nta 293

```

```

<210> 101
<211> 527
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 2591681T6

```

```

<220>
<221> unsure
<222> 178, 220, 231, 253, 274, 415, 421, 442
<223> a, t, c, g, or other

```

```

<400> 101
aatgtgtaag ttaatgtctg gaaagatggt ttgaacagga tgcaggaatt agaaggcaca 60
gaaatgataa tataaaaatt tagatcatat atgaattttt tctaaatggt caagctaatt 120
gctttcatta gtcacacctga actgctgcag gtttcatttc ccaccaggac agctgtgnct 180
tttaaagtaa aaatagtcac ttgtattaac tataaggaan aagtggcttc ngctggaaga 240
acttaccaac cgnaaacctc ttgagcttat aganataact ttggttaagt gcctctctta 300
aaaaggctgc tgaaagctct aaaatataag gataaaacat acggtttcag actgtacact 360
ttgctgctac aaactacatc ttgatgggat taagaggcta cattgattct tgggnattatt 420
ncaccaacaa tccatctctg anctacccat gggctgcatc tggaacaagg taaactccaa 480
gaataaatgg aacagtgggt ccctaaagca ctcttcccaa caagcaa 527

```

```

<210> 102
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 2591814T6

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```

<220>
<221> unsure
<222> 271-272, 390
<223> a, t, c, g, or other

```

```

<400> 102
aacggccatc tcaactgttca catatatata cgtatgtaca ggaagaacct agtgtttcta 60
gctttcccgga cagaaggccc tgccagccca gagtccttag tcggataatg tatcacagat 120
acaacagtcg agcaaccacg agagcggttag tgcgacagag gcctctgtcc tccctcttct 180
caaagtcca tgattctgtc aaggtaatat tgccaataat cattcacatt tcacgtgggt 240
ttagacacgc aggttattca gacagacaca nngccaaaac aagcctcaaa gccagaacaa 300
aacaaaacaa aacaaaatcg aacataggta taaaaggtaa aatatatgta caaagtacac 360
agtacgtgag gtatacacgg cattctcaen atgcatgtta gtagtttgc 409

```

```

<210> 103

```

PA-0020 US

<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2601127T6

<400> 103
ttctggaatt ttcagaaaca aaacataaaa aaattatata ctttattaca aatggtaaac 60
tcagagtgtc ccaaattctt tatttacaaa caacactggg caggatacc aaacaaacaa 120
acaagaaata acttacaaa gcatgaagct gtttattgac agtaatcagc tttcatcaaa 180
ttaaaaaata tatatatgta catacacagt taacgaaggc aggccagaaa gagttcatct 240
gtaggctcag cctcgctctc acaaacctcc ctccctgcgc ccctctctca caggcccatg 300
cctggttagc tctgacacca gctgaatagg aagcacggca agtttgagac tctcttgcac 360
aaaccataag cctcagtgtc agggacatgt gctgtga 397

<210> 104
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2603774T6

<220>
<221> unsure
<222> 334, 370
<223> a, t, c, g, or other

<400> 104
acacagtaca caggaggcaa agtggtttcac atcatagact tcacttccaa ctcccttgga 60
tggtcatttc tttggcttac aggagagact agacaggaag gccaggcaat gcttaggcaa 120
ctaaaatgag gttgggggta atgctaactg caccctcaca gggatggcca cggggactgt 180
tattcgcaag ctggttttct agacctgtta gctggaagca tggtagcac catttctgga 240
cgctcaggcc gtgtcgggct tcagtcactc ccaccacaca ggtacagcag cgctttctgg 300
tagtcgccct tagtgtcttg ctacaatggc ccangaaaga aaagaaactg ggtatcagaa 360
aaaagcccan actcctcaat aacacagaag tagcctcaac gcacaatgaa agcttctccc 420
atgacaaaga gaagactctg caggagacct gccctaatac aaaggcctgg aaggccagca 480
cccaaaccat tgccaggga gcttccag 509

<210> 105
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2630834F6

<220>
<221> unsure
<222> 8, 17, 35, 68, 195, 209, 212, 216, 224
<223> a, t, c, g, or other

PA-0020 US

<400> 105

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gcgggacngg gaggtgntag atgtagaatg aaaantcata tatatatgag agagggttatt 60
ttaatggntg aattatttgt gtcacagctc agcttttttg aagacaaact caaacaccta 120
taatttcatt tatatttcta attcacttgg aacctttctg ctttatggta cctagaaaaa 180
gataatttgt gtaanccaaa acttctaana tnaatngctt aatncttgaa atatgttatt 240
ggaaaatttt aagcagtgtc taaacaccat taaattatta tgaacttgta attcagaatt 300
gagtaaagaa atattttttc tagtccttca tatattgaaa acttgccaca tgacattgta 360
tcgtcttcat tttccagaag atgctgttgg gtgccatagg gttctaactt ccttgaaaaa 420
aggtttttaa gtcaattgta aatatacgta ttattgttaa aaagtaactt taaactgcc 480
cacatagctt tcaaaca 497
```

<210> 106

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2655030T6

<220>

<221> unsure

<222> 71, 81, 88, 118, 126, 168, 203, 205-207, 211, 288, 408, 430

<223> a, t, c, g, or other

<400> 106

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tttaaaaaaa gaaaacctag gcaacacaga catatatata aaacatcagt ttcaaatttc 60
ttccaagttt ncttttaaat ncaggttnaa aaagcagatc aactctagat attgtagncc 120
aactanataa gaaatactga aactaacttt cctttaagaa atcttaanga ggcacacttt 180
ctagtgggtg aacactcctc canannnaac ntagtaagaa ggtaagggtg tgaacagcaa 240
agttgtgtaa catttttctta tttctataat tttacttatt ctggatantt ttagaaaaata 300
aactcatgtt ttaactaaga ctgttaacca agtacaaaac tatttgttgt tgcatttgca 360
gatacagtat cctacaaata tgtgcagcaa gcccatgaag cacttcncc gtcgatactg 420
atatttcagn atttaataa 440
```

<210> 107

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2672695T6

<400> 107

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gtgttgctac actcaattac aattaaggat gcagtatatc acctaaaaat cccattaaag 60
atgctatttg agtaacagta aaaatataca gttatatctt accacaatac ccatttaaaa 120
gttagtttcc tacatgtctg ctttggccta aaaagttcaa aacgaattca aattaatttg 180
ttatttacga tttcactaat tcaagacttc atttaaaaaa attgcttatt tagtgtaaaa 240
gtctgagata aactgtaaac atattttaata agttacatat ggtaacaat catatttggc 300
acctaaatat acatgtttta ttcctaacac atcaagttta tcctgacaaa caaattttaca 360
aaaaacagta ataaagcaaa tatctgagag ataatactgc atctttaaca gtaactgtgt 420
acttctgttt aaatgtagaa tgtatagaaa atctgttgtg aatgaagtat gcacagttta 480
tcaatttttt aaaaaaccaa aaccaaaaac 510
```

<210> 108

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<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2693989T6

<220>
<221> unsure
<222> 67, 91, 102, 114, 120, 128, 148, 159, 175, 189, 195, 204, 206, 214, 231, 236, 251, 276, 359, 369, 390, 400, 414, 428, 433, 471, 477, 487, 501-502, 516, 536-538, 546, 553, 568
<223> a, t, c, g, or other

<400> 108
catggtagaa aaaaaaacctg gaaagtcatt atactataca ttgagtgaca atcttccatc 60
gcagagnttc aggggagaat tgtgagaaga ncccatgagg antacagaca tttnatcttn 120
ggggaganat cttctggagc tgtgcttntc cttcatgcnt tctggtggtt gtttntcttc 180
caggaagana gctanatcca gggnancccc agantgcatt gaaaggcatg nttcanacct 240
atgctaata nggctgattt cgcagtggct tggcanagct gtagcacata ccatgttgga 300
ttgtaaactg acctggcact cactggcact tgggatatgt gtgttgaatg aatgtacana 360
gcagagaant acttagaaag tatggaaggn gccattcagn ttccagagac taanctccag 420
gtcatganct ctnatcacag aggtgtctaa accctcgcta gccatgggta nctcagngtc 480
tttgtgncac catttataat nntccaagag tatttntgct gtatagaaaa atggcnnta 540
ggggtnnggag gtntgcaaga agaagatntg cttat 575

<210> 109
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2718743F6

<220>
<221> unsure
<222> 191, 213, 216, 232, 236
<223> a, t, c, g, or other

<400> 109
gataaatatt tgctgatgat aagacaaaaa tatacacgtc tattaagagg tctgcaatgt 60
ctgaacacag tgaggagaa aaatccttag agaaggtcgc ttaatctcaa ttacccaaag 120
tcattgcttg gcagaatata tgtggtctat tatccttagt gaagtgcag gcttgagaa 180
gcagggaaat ntggggacca tgtgtgctat atnaancaa gactgggcac cntccna 237

<210> 110
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2721122H1

PA-0020 US

<400> 110
aaacgacagc cctgggggca actcttgtga cctcctgcc caggctccca gcaccatgac 60
ggtttcatac actctcaaag tggcggaggc ccgcttcgga ggtttctctg gcctgcttct 120
ccgctggagg ggaagcatct acaagctcct ctacaaggaa ttcctcctct ttggggcctt 180
gtacgctgtg cttagcatca cctaccggct gctgctgacc caggagcaga ggtacgtgt 239

<210> 111
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2735638T6

<220>
<221> unsure
<222> 457
<223> a, t, c, g, or other

<400> 111
aaagtgcata tagagtggcc acaggtttga cacagagacc ttgggtgatgt aggctatgaa 60
caaattttaa tggcaacttc attgctgccca ctgaaccaat cctgaatttg ggctcaacag 120
gtgaaaagta acaatatcaa acgaatacta aacagcataa caaaaagatt ttcagactct 180
tggtcataaaa gaccgtaatc gttcacattg aatcaatgac taaacatttt tgattacca 240
gctacctcca agcaaactga aaactgtcta gtggatcctg aagtccatag tgcctctagc 300
cgggtctttc aagtgttgca ccacaggggtg atgattgatg gtaaaaacag ggatcaaccc 360
ttgtagatcg gtggtaagta tggaaaccct ctaagaacag tgcagcgtat gtgggtattc 420
agactgggtg catacagcat tcaaaaccag tgctggnata gcttgcccaa agtg 474

<210> 112
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2739124T6

<220>
<221> unsure
<222> 403, 437
<223> a, t, c, g, or other

<400> 112
ttagatatgc aaagcaatgc agataccaaa atatgctttc caagtgtttt tggctgagtt 60
tgtctctttc agcagttctg accctaagat acatacttat atggaaaaag ctatggataa 120
aaataaataa aatacatctt aatcatcaat atatagacaa aattgaatag aaaaaagtaa 180
gaacattata aagcatgaaa atttacataa aattattcct gaatgtgagg gttgaaagac 240
tctagaggcc tgaaatctat ttgaaagaga aactttcaag aaaaggaaaa aagcattcct 300
ctacttagaa tagatatgct atgatctgat tctgaagcaa tgggattgaa ctgaatgata 360
tatgaggttc ttccatggcc cactgattta gatgatagca gtnaaaaata tattagttaa 420
aatcatttaa tactggnaaa gaa 443

<210> 113
<211> 452

PA-0020 US

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2747213T6

<220>
<221> unsure
<222> 377
<223> a, t, c, g, or other

<400> 113
ataatttttaa gaggtaataa atgcatgtcc atatccattc ttacctggcc tagaacaatc 60
aattggctat aagtcctttg actcataagg ccttcagcca tagggagtcc catggaagta 120
taggatggac ccgagatggg gagccatgcc accctagcaa cgctgtggga caaaattaaa 180
atttgctggt ttttgatgtt gcctctggca aatcttggcc agaaggggaa gaacgtaaata 240
gaaaatgaaa attcgaaggc cccccacaaac tatctgaatg gacttcctct tcctccaggg 300
ttcaggccat gatggaaaagt gggaggtggg acatgcttca ttatacctct ctggcattaa 360
cattcacagt ctattcncctc tgaagcttgc tacctggatg tttcatctgc atgataaaaat 420
cccaggtctt cagacaaaact caactaattg tc 452

<210> 114
<211> 225
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2752482R6

<400> 114
cccaaattctg tgtaaaatct gctgcaaagg tgtcatccct cttgtgtcat cactgggggt 60
agaggtgggt ccgaaataat cttctgtgtc cttcagttgg actctcggct gccaatgat 120
ctctttttca ttgccatctc tgggtgtgtt ctttggtttt ttgtgtgttt tccccctcat 180
ctctacctgt gaaagtgaat ttctattgta aaaaaaagaa aaaag 225

<210> 115
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2757678R6

<220>
<221> unsure
<222> 134, 427
<223> a, t, c, g, or other

<400> 115
ctccagtctt cactgtgggt gtgccccaca gtggtcctca ggttggccag tggagaagga 60
agctctgggt ctcaagtgtga tgcattcccc aggttgggtc tgagatgagg taaattctgg 120
tcatacctgt gaantgccct cgggggtctc cgggtcctga gtagaagcaa ggtctgtttg 180
tcactgtgga ttccccctg ccaagggtcc ccaggtcagt cctgaggaga aggcagctca 240

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gtctttactg tgatgcagcc tctagtgatc cccaggctct gagtagaagg aaggcctggt 300
cctctgtgga ttcaaccagc aggtctgtga gcagaatgca ggtactgcaa gcaggctaga 360
caagggtgtg gcttgcaccc cttccttact acctaggcac agtggttgat ggtcagtgct 420
tcctgtntgt gatggccatg tgccccctct tgcaagtc 458

```

<210> 116
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2765789T6

<220>
 <221> unsure
 <222> 5, 24, 55, 69, 81, 193, 195, 204, 216, 223, 233, 250, 262, 267, 294,
 333, 345, 386, 395, 453
 <223> a, t, c, g, or other

```

<400> 116
gaaancagcc tttgtgtgat attncaaaca tttataagcc ttttagagat tcttncaaag 60
aacactgtna acaactcaac nacttttcat taaaatatca cacacaaaga aacacaatag 120
gagttgaaaa aattataaat gctagaagaa aaattctaata aacatttggt ggttacttta 180
cacatttatt tancncatat aaanccaaat gggaanccat ttnccttttt ttncataaaa 240
acaaagtttn cactgggttaa anctgancta aaatcatttt atgtatgagg agancaaatc 300
taaattactt ccatttttgaa aaaacaaaca ccngcttatt cattnctatt cattcaagtc 360
ataggcccca ttatttggat gatacnctat ttagnctaga agccagaaaa ggaaacatct 420
ccatctaata aagaagtctg gacaatgcaa aangtaaaaag t 461

```

<210> 117
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2784742T6

<220>
 <221> unsure
 <222> 57-58, 82, 91, 103-104, 114, 132, 134, 149, 161, 173-175, 181, 207, 211,
 242, 259, 263, 265, 274, 321, 327, 329, 349, 354, 358, 367, 377, 452, 469,
 473, 495, 504
 <223> a, t, c, g, or other

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<400> 117
tttgaggatg acatctagaa cgcaccttgc tctgagactc ctcaataatc aaattgnntt 60
agaccaacaa tactgctaag tnttaaaagc ngtgaagcaa agnnaacgca tcanatagta 120
caggggcata tnanagagct tccactganc tccccaatgg nttctatgca atnnncctct 180
nttcataaac tgtattaaca actaccngga naggaagat gagattaaaa ataataatgac 240
tnaactgaat tgttttaanc cantncccca tatnttggga aaaattcatt tagttcaaca 300
gcaatacaac acaatgtgaa natattntnc ttagacacag atattccana attnaaanat 360
ttacaangca agtcaanata taaaaccata gtacactgtt aaataacctt taaacataca 420
tacattgcag ttttcaaata aagacattca tntcattgta caaggatang aanaaatcct 480
taaaattacc tactntagtt tatnatata 509

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<210> 118
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2786881F6

<220>
<221> unsure
<222> 485
<223> a, t, c, g, or other

<400> 118
gattggtcat ttagaaacta gccaaaagtg agacttttaa tgtagaacat ttttcagaaa 60
tgggtacaaa gaaaaatgca tattactgta ttttcagag tgtttatgtg aaccttgat 120
ttaattgaga gtcccatgta cgttctgcag ctttttgct gcttctatca tctgaagttt 180
gtgtagtaca aataaggcct ttgggattct taatgacatt tatgttaaaa tggtctcttc 240
tctttaaaca cgtttttcca atccacctgt cagggagtcc aaatcgtgtc tgtgttgatg 300
atgctatact ttgtagctag aaaaacaatt ttagtgttgt gggctctgta ttcagacttc 360
ctttttacaa gaccgatggg cagtgataga ttattttatc atatttaatg catgggaaat 420
agtgtgctga ggaagctatt aaaagtataa ctcagtgaat tgggtctgag ttttaaatga 480
gatanttcaa aattggcctt ccactgtaaa 510

<210> 119
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2790863T6

<400> 119
aatacaattg cttttaaaat gtagcaaaga gtcatttact actctcagaa gtggcacata 60
catggcatag aaaacaatct atagtcagtt aactattaaa acagaaactt gaaatttaag 120
tgacaaacat ttgtagcact ccctaaagaa ataggaaata aaaatgcatt tatccatatg 180
aacttgatta ttctgaatta ctgactataa aaaggctatt gtgaaagata tcacactttg 240
aaacagcaaa tgaattttca attttacatt taattataag accacaataa aaagttgaac 300
atgcgcatat ctatgcattt cacagaagat tagtaaaact gatggcaact tcagaattat 360
ttcatgaagg gtacaaacag tctttaccac aattttccca tggctttatc cttcaaaaata 420
aaattccaca cactatcaaa ctaaatacaag atttgctagt ggataaaatt accataaata 480
taccgtactc tctctgaaac agctacaaac atcttgtttt tgcaaaatat acaatgggtc 540
tcaatctttc tg 552

<210> 120
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2799276T6

<220>

PA-0020 US

<221> unsure
<222> 422
<223> a, t, c, g, or other

<400> 120
ttggagtctg tgggaatccgg gcggcgggtgc tgctgagagg agtggaatgg gaaagcatgg 60
actccctttg ggcagggggg cctgacctca cacctcctcc cagaggggtcc ctcacaaatc 120
ccacgagggg gttggagaaa gcaggctggg gctctagcct tttgggcagg agtctcggac 180
acaggaaggt ggtaatgggg taccacagga aacagcccca tgcctccgag atgggagagg 240
ggctggggca gagcctgtga gggccacagc aggttcagag ctgcctcctc agacctggcg 300
tcccagtggt aggaggtggc ttggggaggg gggtcaggag aagccaaccc gaagcaccgt 360
ctgggtgtgt gttccattgt gggctctctc ggcattaggg gttagggctt gcataggaaa 420
antggctcag tgttcattgt ttgggttctg ccagcaactg ggccactgcc aggggaagccc 480
gactctgcat ccaggtgatg ccaacacatc ctctcgaa 518

<210> 121
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2801448F6

<220>
<221> unsure
<222> 185
<223> a, t, c, g, or other

<400> 121
aaagccataa aaataagaaa ctcagcctgt ggcctttctt tcttccaagg ctgggcttct 60
ttttttaagt gacttcatgc agtttggtgc ttttaaaaat ttgtccagaa tcgttttctg 120
cagaagcatg gtctgttagg agcttactgg ccgtagcaga agcaattgtt tcctgaattc 180
ttganattta tctttgctgt attcatttag ggcttgggag agtccgaaga taattcagtc 240
actgtcagat taataattct gtcaggacaa agaataccgt tatgattatt taatccttta 300
aaattgtggg ctccagagct tgtttctcaga atggcccaga ccaagcctta attgtgatag 360
tgaatattaa tggtcacttt aaggagaaat tatagtccaa gatgaaatga acataaacct 420
gtttgccctg gctttcagtg gaagatgata ttagagacca aaatctgggt ctgaagggtg 480
gtatcagccc taaggtgaac cagacttggg aaagattgtc ttaaaaatca atgagt 536

<210> 122
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2827489F7

<220>
<221> unsure
<222> 419, 425
<223> a, t, c, g, or other

<400> 122
aaagaaaaat tagataatat caatagccca tcttctaaca cattgcctag ctcattactt 60

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tcaatacata ttttccaaac taaaaattaa aatctcaact ctttaagaga agtttcgtaa 120
ttttgtagta taagagatta tcctggcaat atagttttta tgccaatata ttgaaactta 180
catgacattt cagtgggttt gcagtgtttt cccaagtatg gtacctttac cactgaaggt 240
acacagtgat ttctgggtgt taaacagatg aacatttttt attttaatag ctatacaata 300
taaccagcaa ataaaatcca tgttttcatg gatattattg cttagagtta gttaagtttt 360
aaaatgtgat tttaaaggaaa atattaagta ctagtacaag agatacccag tatgacagna 420
aatgnatagt ggaagggcaa aagacaagtt taaggaaatg ctg 463

<210> 123

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2833430F6

<220>

<221> unsure

<222> 5-6, 15, 23, 27-28, 39, 74, 159, 198, 264, 266, 282, 319

<223> a, t, c, g, or other

<400> 123

aaggnnactg aaganactga aanagannag agtttgtanc tgaaaaagaa tagggatagc 60
aaggaaaccc aganctgcat tcccctaagt ggggccatcc catgtgattg aattgtccat 120
agcttgcccta tggtagagaaa tgtgcatgct ccgtgagcng gtctcttgaa acaggactta 180
tgcttcctct atattctngt taaattttcc aaacacataa gttcactgag cacagatttc 240
ttatccagag acaagtagaa tctnancgca gactgttggc anagtttcca ggcacttagc 300
catgttcctt tcctgactna aatccccaa 329

<210> 124

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2833844T6

<220>

<221> unsure

<222> 77, 105, 116, 142, 149, 152-153, 158, 165, 178, 189, 192, 194, 197, 199,
208, 221, 256, 304, 311-313, 319, 338, 344, 383-384, 392, 400

<223> a, t, c, g, or other

<400> 124

gctgagcatt cggtcacta acctgagtca tatccggcac tggtttctct agaaagggct 60
ccgacgggga atgctgntga caggcacttt ctgcgggggtg ttctnngggtt attggngggag 120
ctgtgcccaa ggtggtgatg ancgggtgtn anntgaanac tggtngtgca agcccagntg 180
aggctgcant gnanganang ttggcaantg ctgaaaacat ngcttttgac caggatgttc 240
attggccagg tatcantcgt tcctggattg cttgtcggtc tccaaggcca acaccaggac 300
aacnatttag nnnatgtnc ccagtcaatt cccttgnggc cgangacatg cctataaatg 360
gacgagactg ctgcatgttt cttnnggccat antcctctgn ccgattccca 410

<210> 125

<211> 250

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2835032T6

<400> 125

```
cctgaagatg caggtttctc tttggtatca tttttcttca gtttaaataa cttccttcag 60
catatctcat agagcaatcc cattgctcat gaattatatt atctgagaat gtctttatatt 120
caccttcacc catgaagaat attttctactg gatataaaat tctgagttga caggtctttt 180
cttccaatgt gttaaaggca ccattccact aaattcttcc aaggattgtg atgagaagtg 240
catggttaca                                     250
```

<210> 126

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2838139F6

<400> 126

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ggggagaggg gctggatggc cgaggccgga acgggccctg ggggtgcgggt taggaccgac 60
gtacctagca gcactggccc tcggacggtc cctgacccca cctcggggcg ggcgcacatg 120
agctgcttcc caccagga aagctggggg gctggcccg gcccctcgaa gagggcttag 180
gaggacggaa gctggccaga gatgaagggg ttttggcctg ggtgtgagtg acaaggaact 240
ggtgccagcc cctccctccc cggcactgag gcgtccgtgg gggctagatt attcctcctt 300
ttcttccaag ctgtcctgaa tccccacgaa ggccttggt cagctcttcc caccacaggc 360
acaccagg                                     368
```

<210> 127

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2838241T6

<220>

<221> unsure

<222> 179, 362, 411, 413, 428, 452

<223> a, t, c, g, or other

<400> 127

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ttcatacata tccattatca gtgccttgaa aaccaaaciaa ctttaaaagt tagcagcagt 60
ttctgcaagt acaaaaatac acatttatta cataacatat ggtagtaaaa tttgtcaaga 120
tatattatca aaactcaaag catttttagat aaagcatcag tctaataatat tatagattna 180
tggagtataa taaaatgaca tatagtctgt cttcaaatca tacaatataa tactttacag 240
caatattaac aaactattca cattaagaat tacaggagta tctaagggaa cacagatagt 300
aggaatgggt attaaaaaac ctcagcaact attttcttct atgcttcaaa ttgggtgaat 360
gnttttttac ctgctaacat gaaaaaaaaa aaaaggcaat ttcttccaga nanacactcc 420
aagccgtnaa gagcttcatt cacatcttgc angcttgact gaccagtagt atgccctaag 480
ggaaag                                     486
```

PA-0020 US

<210> 128
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2838993T6

<220>
<221> unsure
<222> 2
<223> a, t, c, g, or other

<400> 128
tnttatcagg aattcttcaa tggcattctt gtaatactat ttagttcatt tttataatta 60
cttctctaaga gacaaattgt cctagaagtg gggggtttct gagtaagaca ctggcatgcc 120
tggcaacatg caagaccttg tgcttcaata cttggaagaa gcacaaatta ctaagatata 180
attgctgctt ttgtattgct tataattcaa caggggaaat aaaagtaagt caaaggtaga 240
gcatgacaaa gacttctaga gaagtacagg tgataaccct gggagttccc aagaattcat 300
aggagctctg ggtgtgaatg aatgtcctct cgtcatgtgt atgccttaca gattagagtc 360
tgttgatgtt gggctctaaag ggtactaatg gagcaaggct gtcctcttac tgatagcagg 420
gcattatggc taatatttcg gaagtgaat aaatccttct gtcaagaagg catagaaaac 480
aaagcagcaa gtccaaggta aggttttaac ctcttagctc ttcttcctcg gggcagaata 540
cccacagtca tagttg 556

<210> 129
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2849791H1

<220>
<221> unsure
<222> 116, 120, 128, 164, 179
<223> a, t, c, g, or other

<400> 129
gctgtgtggc cttttctctc ctgtgggcag gtccagtgat tgctgggatc acccaggcac 60
caacatctca gatcctggca gcaggacggc gcatgacact gagatgtacc cagggnatgn 120
ggcacaangg cccgtacggg aaaggacaga ataggcgagg ggcnggctca ccataatcna 180
tacgcagtac atggcaaaga gaatccctga tggttatagt gtctccagag caaacacaga 240
tgatttcccc tcacgttggc gtctgctgta cctctcagac atctgtgta 289

<210> 130
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2858295T6

PA-0020 US

<220>
<221> unsure
<222> 452, 501
<223> a, t, c, g, or other

<400> 130
aaaatgaaca agttcaatca aaaacatccc aatggaaaaa aatcacacta agaataaaac 60
acttacagaa cggcaagaaa actgggttaa catataaatt tgtgtctgtt gaaaccagag 120
tacaatgctag aaaacattaa cacagatacg acagagtgtg gttttttttt agaaatgggt 180
aattttctctc tccagtatcc ttctacttgt atgagatatt tctcctctcc tgttttcaca 240
aaccaagaaa tccccaggta ggccaatccc agagggtgcca tttagcagta tgcagcagcc 300
cagtttcagc ataacaaaac atgccttggg agtggctctc tcatgcaaataaaaagaaagc 360
ttaagaaatt cttgtttagt gtggattagg caaggctgcc attcagctgg tataagctaa 420
aagtaaaaaa tcaaaacgct caagaaaacg gncacaattt tggaatgtta aagatgtcct 480
tataaaagttt ttttcaagac ntcac 505

<210> 131
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2932975R6

<400> 131
gcagggacaa gttacaggaa tggtctccaa gcagcaatcc aaaagagtct caaggatcct 60
tcaaataact tcagggtgag tctggagaaa acatatggaa tcccagcatg aaaccgtttc 120
agagttctaa taaaaatatg catattctca cagcatgtac tttatttaataatctgaaaaa 180
attgtgatag aaatgtgtat ttgtttttaa aacgtgtaac ttcttatatt tcaaagctaa 240
tacaatgttca ttgagatatt tggagactat agagaaaagat aaaagaaaat aaatcaccta 300
tattccacta tccaaagaca accactgtta gtattttggg atatttcctt ctgactcctt 360
ttttatgtgg gtttgactg 380

<210> 132
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2965657T6

<220>
<221> unsure
<222> 7, 36, 70, 100, 127, 147, 160, 165, 177, 186, 192-193, 199, 220,
228-229, 235-236, 240, 258, 261, 267, 271, 273, 281, 283, 285, 289, 297, 300,
308, 312, 317, 322, 324, 342, 348, 361, 363, 376, 385, 391
<223> a, t, c, g, or other

<400> 132
aaagatnadc acaacaaaat atacactaac ttaaanaaca aaagattata gtgacataaa 60
atgttatatn ctctttttta gtgggtaaaa gtattttgtt tgcgtctaca taaatttcta 120
ttcatngag aataacaaat attaaantac agtgatagtn tgcanttctt ctatagnatg 180
aacatngaca tnnccctgna gcttttagtt tacagggagn ttccatgnng ccacnnactn 240
aactaattat ccaacacntc ngttatntcc ngntcaaat ngntncaent tccacnactn 300

PA-0020 US

aactgagnaa gnagcanttc angntctcct tcatttttgct anaaagcntt ttttcttttg 360
ncnaaatgcc aagtngnaaa ttgtnttttt nc 392

<210> 133
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2967286T6

<220>
<221> unsure
<222> 28, 35, 69, 94, 184, 201, 229, 239, 252, 260, 265, 284
<223> a, t, c, g, or other

<400> 133
gtcacttcca aaggccctc agaacganca acagntgaaa cccgcggggc ggactccgtg 60
ttgaaccgng gacagcggca accacagcag cganacggac ctgtgctttc caccaagaac 120
agattccgca gcgggacagc agtcactttg cagtggtagt aatttattcc ccacacaaaa 180
cacnccagct aaatgccctt naaccgggtc caaggaattc tggaagtgnt ctaaaagtna 240
aaatccaata tnaaccatan atttngtggt ttcaatcaaa cagnactctt ctaaatca 298

<210> 134
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2994210T6

<220>
<221> unsure
<222> 66, 202, 286, 292, 359, 374, 381, 396, 435, 442-443
<223> a, t, c, g, or other

<400> 134
accgaggcat agttctgacc aggtactatg tctgcagggc ttttgaaatt aaagaaacag 60
tccagnaggg ctccagtcag acccagaatg acaccagcca cacttgtagc tggcagagat 120
aacctctttg atcttcagca attttaaaag ttcttcatcc taatttctga gtatcataaa 180
aagtaaaaag tactttcatt tnatttttcc tttgaaaatg tttttagtgg caaacaggac 240
tacttgtttt ccttacttca tttttataag catagtagtt atatgncaat tnacttaaaa 300
ttagagaggg aaaccccgaga gacctgagtg gcactgccca tccactgaag gcccatna 360
ataggtactc atgntcatgt natcacgtct acaaanagca ataaaatgat gtccgtaa 420
cggaagtaca gcagnagcag tnnatacata tctgatatgc tttcacacca gga 473

<210> 135
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2996094F6

PA-0020 US

<220>

<221> unsure

<222> 378

<223> a, t, c, g, or other

<400> 135

```
gtcacaaaga gcttcaacag gggagacagc caccctcttg tgcagggccg gccagccttt 60
gcccggcacc gcccttgccct ggtttcaaaa gcagcctgcc cagcctccca ggctcctcgt 120
ctacgggtgca tccgttaggg cccctggcgt cccagacaga ttccgtggca gtgggtctgg 180
ggcagacttc actctcacta tcgacagact ggaccctgaa gattttgcga tgtatttttg 240
ttttcaatat gagtctttac ctcacacctt tggccagggg acaggctgga catcaaacga 300
actgtggctg caccatctgt cttcatcttc ccgccatctg atgagcagtt gaaatctgga 360
actgcctctg ttgtgtgnct gctgaataac ttctatcccc agagagggcc aaagtacagt 420
ggaaggtgga taacg 435
```

<210> 136

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3000067T6

<220>

<221> unsure

<222> 217, 232, 287, 329, 344, 353, 366, 414, 443, 459, 466, 471, 479, 483, 485, 487, 495, 531, 535

<223> a, t, c, g, or other

<400> 136

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taagacagag tgcactaaat ttaactttag aaaaaattag ccgttggtcc tgaattgttt 60
ttgttttgct ttctattcaa cgatatcaac ttgtaacttg tgtcacttga gttttaattc 120
agcagtaaat cacctccact ccatatctaa gcagcggtgt cccaaaaaca aaaggggctg 180
aggataattc agctaattga tgtccaaggt tgtgctnggt ttatttcttc anttgattgg 240
gtcttatggc atttcatatc ctctatcttc aaccagaatt tttttntttt ttacttaaaag 300
taaatgtggc tttgttagtt tctaaagant gtacttttct tgtnttactt ttntaaaaag 360
tctttncatt tcaaaaaaaaa agttttgcat ttgtctcaag agactcaaat aggnagatca 420
gttttcaagg cactcacatc aanttgaatg gcagtagana aactgnccta naaattatna 480
ttntntnttg tgctntatag gtgccaggta ttgtgaatgc cagccttagc natantggac 540
actcaatctc agctgtcccc ttacagttta acccacctct 580
```

<210> 137

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3116117T6

<220>

<221> unsure

<222> 80, 82, 130, 244, 263, 277, 291, 303, 318, 327, 343, 358, 372

<223> a, t, c, g, or other

PA-0020 US

<400> 137
tccatatttc aaatgcatta atgtgggtcat gaaaaaagta atcagataga tgtttaaatag 60
ttaagcattg tccatttgan tngcagagca cccaccctt cattcattcc ttcaaccaac 120
tactcaagtn aagaacatgc ttacttgta ctggttggtc ctggttgcaa gacatcggac 180
tgtaactttg gaaagaaccc ctgctcatat ttgccttgac caattttcat atcaagtaga 240
tgtnggtgga ttgcagtgtg atncattttc atcagtnctt gctcaattga ntgggctgct 300
tcntttaaag tgctgcantt ctgatanata gatgtccgca agnggggtgcc cttacgtnat 360
acagccttat cntatcaa 378

<210> 138
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3119119F6

<220>
<221> unsure
<222> 49
<223> a, t, c, g, or other

<400> 138
gaaattctta acatcatcaa aaagttaaatt ttgttttcaa taatttgtn gggggaaact 60
tagataaaat taactaacac cttgcattac agaattctca gtcattgctt catgggctcag 120
acctgaccag agactgtttc tgccaagttg agatctcccg cgagaaaaca tccaaaagtt 180
ttgtcattat ctacctattg ctcggaagt gtttattctg cctgctaacc actcaciaac 240
tttgatatga taacaaagac taactgctgc ttacaaatgc tcgtttgata tttaacttgc 300
tattttctat tcaggggcaa ataactatct tgaaaatggt tgtaattct cagc 354

<210> 139
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3151807R6

<400> 139
gtgctcaccg tgagcggctg gtacctgtcc cctgggaact gcaagatgca caggaccttg 60
tgtacctgtt tgtgatcaca gccgaggacc agcgaggtag cattaccaca tccacacagg 120
gcttttacca taaccgcccc agtactggaa cgaggagctg cagatgatga gggacctacc 180
caacaagaac caacctgagc agctgcttca agaaaaagcc atgttcaagg tgcctgaatc 240
ccctggttaag tgagtgaacg cctcacagcc tcaggcccac ctggctcctg ctggaaggtt 300
ttcttggtgct cgggagagaa gtgaggggaag cgggcagtc cagccctgtc aggtgccctg 360
aaggcccgtc aggtttgccc tgcaaggcct tctagcattc tgcttcctgg gagaccatcc 420
cccacctttc tccggcctct gagactt 447

<210> 140
<211> 195
<212> DNA
<213> Homo sapiens

<220>

PA-0020 US

<221> misc_feature
<223> Incyte ID No: 3208407H1

<220>
<221> unsure
<222> 105, 110, 113, 119-120, 147
<223> a, t, c, g, or other

<400> 140
ctctgggtatt catgccaaag acacaccagc cctcagtcac tgggagaaga acctctcata 60
ccctcggtgc tccagttccc cagctcactc agccacatac accangtgtn aanaggagnn 120
caccgcgctc gcgtgtgata aagggcnccg ggcccgtggc aaggcagggc ttcgcaggag 180
atgatgcccc ccggg 195

<210> 141
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3211415T6

<400> 141
tcccaaacc ctcctgtga cttgcctctt ctcttggtg actttggtg tcatcgtgtt 60
catcactaga ttttagatgt cctcggtgtt actgacggtt tttctgtcca cctcgtcctg 120
cagtctctct tctcctcaag tttgaaatgc ttcactctcat cgggttgggc cagaaaaatt 180
tggtccataa aaggtgcata atttctttcc attcactaca tggctgcaaa gtcaatctgt 240
acgtagagct gtctcactcc agcctgagta aaaatattat gtgtttggct taaaatccac 300
ctagcatcag catcaggtgc tactattaat ttcaaggtcc caacataaac gtcagaacat 360
aaagtccaga agtgctgttc ctgtaaactg taaactcctt gcaactgctg taccctctga 420
tagcactgag gcagactatt ttctaatagg ggaggagttc tctgcattaa tattccaaca 480
gattctctta aaaga 495

<210> 142
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3238201T6

<220>
<221> unsure
<222> 7, 20, 27, 34, 39, 61, 78, 82, 91, 98, 103, 109-110, 114, 138, 141, 149,
156-157, 165, 189, 233-234, 280-281, 285-286, 288, 291, 309, 319, 321-322,
328, 341
<223> a, t, c, g, or other

<400> 142
taataanaaa tataacagan ttgaaanatt taantacant cactaccac tccagtaatt 60
natttaagtc ataccaanta tngaatatga naaataantt canaagtgtn attnctttaa 120
aatacactac ttccactntt ntaagtatnt tacatnnatg tatanattct atagtggag 180
cagacaatnc tctctaaaaa cattatctcc ttaaaatctt gcaggtgcat atnngagcca 240
caggcaatct ctgacatata aaattgcagt acaggccttn naaanntngc ntttactg 300

PA-0020 US

tacaatacna caaccaagnt nnataatnac tgtacagtgc ntagac

346

<210> 143
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3254006R6

<220>
<221> unsure
<222> 396
<223> a, t, c, g, or other

<400> 143
gttgaagagg gggaagtttag ctggagacac tgctgtcagg atcagcactg gggcagagag 60
gaagcagctg cgtttcggtg gtagaagtgg gaggggaagg aagaggggtc tgcaagggtt 120
ctgtacatcc tgcactgaca gaactcaaca gccagccct gcctggctgg ccctggacaa 180
gatagaccct gggcagcaac tgggagaagg gaagaggaga aggggagctc ctggggccag 240
aatcattcag cagaggctgt ggtttcagtg catacctttg tgtgaaagga gtgcacacaa 300
tcattgagtt gggctgtaat tccaagggtc ataattataa ttccaattct tttttgtttg 360
taatatttca aattcttggt tcctagatat tgatcnagca aaaaattcct ccagatggca 420
atagcctctt ttctcttgca gctctctccc caaccttagc cttacaaaagt a 471

<210> 144
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3255002T6

<220>
<221> unsure
<222> 9, 19, 26, 28, 41, 61, 71, 73, 80-81, 87, 95, 152, 157, 167, 169,
171-174, 179
<223> a, t, c, g, or other

<400> 144
ctttggaana agtgatttng aagcancngt gtatctcttt nttctgccct gggacattca 60
ntacggtaac nangaatctn nggctancgg tgctnttaac ttctgaacca cgacttaagt 120
caagaggagg acagggtccc agcttctcaa gnggcanatg tgcaacntna nnnnctacnc 180

<210> 145
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3323143T6

<220>

PA-0020 US

<221> unsure

<222> 37, 44, 66, 69, 72, 90, 96, 102, 110, 120, 122, 129, 135-136, 142-143, 150, 162, 165, 168, 173-174

<223> a, t, c, g, or other

<400> 145

```
gagggggaac aattatatag aactttcggg gatgtanatt cttnggcctt cgacattctg 60
gagcanaanc gntacaagc attttgaaan attctntgcc tncggcagan tttcgtgtgn 120
gntcactgng gactnnatcc anntgccttn ctgcttttaa tnttctnct gcnngacctc 180
cttct 185
```

<210> 146

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3365533T6

<400> 146

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ttccaaaatt cttcaggatg tttaatgttc aagtgtccat attcccagtc ccaactggatg 60
cctggcagga tgcaaccatc tgaatgagtg gaagtataat gtttgcacca ggtattatat 120
taggagcctt gaaccagaa tatgtctgat taagtctttt agccaataa tttgccactg 180
ctgccaaagtc tggtaatgtt gaaggagaaa gttcaaccat aacgggggtga tacagggcac 240
ccccgtactc aaaaaacttt caaagtgcctt tctaaacaag tttctctttc tccttgaata 300
caacgtcagt cacaactgat ggcagtacaa tcgatccatc catacactgc tctaagaaca 360
tcttgatggt ataatatgct gtcattcatg ctctacctgc tactagttta atttgggtcaa 420
gtagctcttt ccttgagagc tcaaatttct actagactca aattct 466
```

<210> 147

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3421032T6

<400> 147

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caaaacaaaa caggcaattg ataaaggcgg cacaatgggg aaggagaggt gagggagaag 60
agagaaatgt ggcaggggtg aggggaacct ggggtgcaggc caggctgcct cagcgatacc 120
ccagggagggc tagtgtggga aggaaggacc aggaatccct gaaaggacca ggaggcaacg 180
ggacctgagg ggggtgttggg gaggcaagga ggggcggaga gcgaacaggt ctagaggaga 240
agggaaacca ggaagagggg gaaaggaggg cggcggcagc agccgggagc 290
```

<210> 148

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3425501F6

<400> 148

PA-0020 US

```
gaaaagaaaa agataaggaa agaagagaga agagagacaa agatcactac agacccaaaac 60
agaagaagaa gaaaaaaaaag aaaaagaaat ctaagcaaca tgactattca gactatgaag 120
acagttccct cgaatttttg gaaaggtgct cttctccact aactcgatct tctgggagtt 180
ctctggcttc acgaagcatg tttacggaga aaactacaac ctatcagtac ccaagggcaa 240
ttctatccgt tgatcttagt ggtgaaaact tadcagatgt agacttccta gatgattctt 300
caacggagag tttgcttctg agtggggatg aatacaatca ggactttgat tcaaccaatt 360
ttgaggaatc tcaggatgag gatgatgctc ttaatgaaat tgtgcgatgt atttgtgaga 420
tggatgagga gaatggcttc atgac 446
```

<210> 149

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3434684T6

<400> 149

```
aaaatgatgc attataaaac ttggaagcaa ctttatacaa attccaattt ttaaataatgg 60
ttgaacaggg tgccctgggg gttaggacac tggcaggaag tctgattagt tgctgggatg 120
gtcccatcca tgaagcactg gacacatgct gggaaccatc tgtgcataaa tcagaagagc 180
caacaagagt gggaacagga aaggtctgca aatacgcata tggacttgaa gatacaacac 240
cagctcaggt aatatacagc aggcggagga gaaatgaaac aggagaaaca ggacaaagga 300
gaattcatga catgatcaag aaaccccttc tcctaaccct ctatgtccta aaaccacaa 360
ccatacagaa agaaaaaatg gaaatgcaga cagggttttta gttctatgct gtttaactgc 420
tgtaagtgag agtagtacca tggg 444
```

<210> 150

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3471751T6

<400> 150

```
acatgtacag tcattactgt gctacattgt tattagacac aaaatggatg gtgctgtact 60
ttggtgacta ttatttccat cagttttata catggtcttc cttatggttt aattattctt 120
actcaaaaca caaaaggcat ctcttttctc tctcttatgc accaagcaga gtatatagct 180
gatgtcttgt gagtgtggag aacagccagg gtactccaag acttgtcttc ctctttcttg 240
cctttcttcc agtgtggcca aatgaactcc ctgtttctctg tctcaggtga tttccatttg 300
accctgatgt tcccttttta ctatgtgctt tattccgtgc cccccagccc aatgtttccc 360
tgagcagccc ttctcttttc ctactcttgc tcggctggac cagttctaga t 411
```

<210> 151

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3475326T6

<220>

PA-0020 US

<221> unsure

<222> 5, 7, 10, 14-16, 19-21, 25, 41, 46, 53, 56, 59, 64, 66, 68-69, 71, 73, 75, 81, 83-85, 93, 100, 116, 118-119, 128-129, 132, 140, 148-150, 180, 208, 307

<223> a, t, c, g, or other

<400> 151

```
taaancncan gacnnnttnn nacancgcaa aatgagacta nagggnatgt cantancgna 60
tttnangnnc ntntntttct ngnnnggatc ttnaaaaggn gagatagcag gatccncnna 120
tgacttcnng anagtaatan cagctttnnn aaccgcaggc atcgtggagc ctgcatgggn 180
acgcatccag gccacggcct tcctttcnag aagctcccat tcacacttca agtccttacc 240
aatgctgtgc agccagatca cggccaggat ggtggcccag cctgaggaat ccacaagctc 300
ggcaggntgt gcagccatta tttcttccaa actcatacct aggatcttgg ctagatcttc 360
attcagattc caggaaccat ttgcattttg 390
```

<210> 152

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3480489F6

<220>

<221> unsure

<222> 216-218, 220

<223> a, t, c, g, or other

<400> 152

```
gactaaggga catttatggg acgtgtttaa caagggtggga aactagttcc cccaaccttt 60
ctatcggggt cttgaccctt ttagggagac agcggacgag gttcgtaagc caggaaaact 120
agtcacctgg actccctggc gagtgcgtgc gatgaggaga ggcccagca ctttgggggt 180
gcacgggtgg ggtgggggga atgagtaaaa gcgcannntn atcgtgaacc ccaccccaga 240
tgattacctc gccgttggtg atgttgatcg ccaaatagat gtccccgaag gagccagacc 300
cgatcttccg taccagttta tatttccctc cgacaatgaa ttcagccttg gagccgctgc 360
tactcgccat cctgagagac gaagatggag gctggggcca agccccggac acctctggga 420
agaggacgga 430
```

<210> 153

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3559834F6

<220>

<221> unsure

<222> 14

<223> a, t, c, g, or other

<400> 153

```
gaagactgga agancacctg ggctgtcatt gagctctggt gccaggagga atggacaaga 60
tcttaggagc atcattttta gttctgtggc ttcaactatg ctgggtgagt ggccaacaga 120
```


PA-0020 US

```
aggagaaaag tgaccagcag caggtgaaac aaagtcctca atctttgata gtccagaaag 180
gagggattcc aattataaac tgtgcttatg agaacactgc gtttgactac tttccatggg 240
accaacaatt ccctgggaaa ggccctgcat tattgatagc catacgtcca gatgtgagtg 300
aaaagaaaga aggaagattc acaatctcct tcaataaaaag tgccaagcag ttctcattgc 360
atatcatgga ttcccagcct ggagactcag ccacctactt ctgtgcagca agctcccaga 420
cgggaggagg aaacaaactc acctttggga caggcactca gctaaaagtg gaactcaata 480
ttccagaacc ctgaccctcg ccgtgtacca gctgagaga 519
```

<210> 154
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3562407F6

<220>
<221> unsure
<222> 59
<223> a, t, c, g, or other

```
<400> 154
aaaaatatct attaaaagta ttatatctct attggcttca tagtattctc ttgcaaggnt 60
gcaccattat ttagtctcct taatgttggt tccaatctct tgttattgag gactgaatat 120
acttgcactc atatcatttc atatatgtgt aaatatatct gtaggataaa ttocctagaag 180
tggaagtcca aattatatat atattttaaa ttcttggtga tatatcagtc catttacatt 240
cctcccaacc atcaataaaa ctgtaaaaac ctaaagttat ccaattagaa ttt 293
```

<210> 155
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3586531F6

<220>
<221> unsure
<222> 528
<223> a, t, c, g, or other

```
<400> 155
gcggtttaaac ccaagccgca gccgctgctg tcgccgagct cccggagctg ggtgggggtg 60
ccccacgctg aaagagagtg atggagtgcc cagtgatgga aactggctca ctttttacct 120
caggaattaa gagacatttg aaagacaaaa gaatttcaaa gactactaag ttgaatggtt 180
ctcttgcttc aaaaataaaa acaaaaatac taaataattc ttctattttc aaaatatctt 240
taaagcacia caacagggca ttagctcagg ctcttagtag agaaaaagag aattctcgaa 300
gaattacaac tgaaaagatg ctattgcaaa aagaagtaga gaaactgaat tttgagaaca 360
catttcttcg cctaaagcta aataacttga ataagaagct tatagacata gaagctctca 420
tgaacaataa cttgataact gcaattgaaa tgagcagctt ttctgagttc catcagagtt 480
cctttctact gtcagctagc aagaagaaac gaattagtaa acagtgcnag ttgatgcgtc 540
ttccatttgc aggggtccat taacttcaaa tgatgatgaa gatgaagata agagaaatgc 600
agtgtgac 608
```

PA-0020 US

<210> 156
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3685559T6

<220>
<221> unsure
<222> 360, 520
<223> a, t, c, g, or other

<400> 156
tctctaagcc taaccaaagt ctttggtgaa tgatgcttgg aaaagctgga gttttaaaag 60
gcattcatcc atttatgaac tttcttccag cccaggatcc ctgcagagaa ccagaggtta 120
caaattctgcc ctccctttctc ccctaaaagg tggctgaggg gaggagaggt gcatgtagct 180
ccagctatag caaatcagtg ccctgactca ctggggagac ccaggggggt gggatgttgc 240
tgacacctca tgggccacct catcagccca tctttgtagc ttcaggttca gctctgggtg 300
ctgcaggcag ggacccctct gctccctgcc tgaatgcagg gccagtctcc aaggaactcn 360
gtctgcagag tagaaagagc tgtgggctgg gaatcagggg cctgagggag cccctgccac 420
tgccctgccca gaaccagtg ccttcattct cctgctgaca gcatgcatgt gccttttggc 480
taacacacac tcttgtctaa tttccagcca cttaaccn gggat 525

<210> 157
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3738958T6

<220>
<221> unsure
<222> 249, 264, 268, 270, 281, 287
<223> a, t, c, g, or other

<400> 157
aagtttcttt gaaaaactcc aatatactat tattgcaatc actgtaacag gtagatggag 60
cattcccatt aacttggcta cttgacagta actcaatata ttattttctt aaccagaata 120
caaaataaaa cccacagtca cacagaataa atgccctcaa agaaagcaac ttaaacttgt 180
actgaacact gaaaaggtaa atctgtataa aaggttataa ctgcatttac agtgcaaact 240
cgtgtttcnt tctactctct tatnaacngn aaatgtcttc ngaaacnttg cctccccgca 300
ttt 303

<210> 158
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3809571F6

PA-0020 US

<220>
<221> unsure
<222> 296
<223> a, t, c, g, or other

<400> 158
cccgtctgga agcctttata ctgaaacaca cgtgaccggc tgtctggaaa gtgagctggg 60
cgccgtcaact gatgatgtct tttctgtggg acacagtcag gcacaccctc tgcccttctg 120
agcctgggac gagacagagc tgacaggcgg agcccaaagg tgtgccgagc accagtgtct 180
ccaggggtga gagtcacatg cagctgtggc tgccgtggac gcctgctttt ttgccctctg 240
cagtttgccct aaccctgca gtttgagggc agccctgggc ctctggacag agcagnccctg 300
gttccctgtc aaggtgattg atccggaaga atctggca 338

<210> 159
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3817414T6

<220>
<221> unsure
<222> 265, 276, 331, 343, 355
<223> a, t, c, g, or other

<400> 159
tggtaggaga aatgaatgag gtacttttag gtagttaaat agaaaaacaa atctagaaaa 60
tacctggtaa cttgtgttg aacacatttt ccatgatacg tttaatttct agcctctgtt 120
ccaagttctc attgtgtaag ccaaattcct gtaccacttt gtcaatggca atgccaactg 180
catttatctg ggaggggtgt ggtgggggta acgtagtggg caactcttcc tcttgcttct 240
ccttaatgtt tttcttgtgc ctctnttctc tgatangctt atgggcaa atgcaatgggat 300
tcaattaaaa catcacagag tctgcagggt nactttgtct tanggtagt tcgtngtcgc 360
cttttt 366

<210> 160
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3875548T6

<220>
<221> unsure
<222> 2, 12
<223> a, t, c, g, or other

<400> 160
cntttttaca tnatcccttt tttccatatt ttttaaacad tagatacata atttgttaga 60
agttaaaagg gaaaaacatt tttttctgaa tcatatcaca ttatatattg cttaaagatt 120
attaactttt tgaatatcaa aaattgaagc tgctgggaat cacatttatt tgtaggtccc 180
aaaatagccc tgaggtctga ataggaaaat atcttttata aactataaca aaactctcac 240
ctcaaaaata aacactatga aatttacaca gttatatctg tactcagtat ctttacaata 300

PA-0020 US

tccagaaacc tactggatta ttagaaatga caatgcaa at aggtttacat tcagaaaaaa 360
agagagctta tactaagagg acctaacttg aaacctggca ccctgtgcag gaatctgttc 420
aatccttaga acggtcataa agtcatcttt gttaaaaaaca caggtccttg gacaccccca 480
aat 483

<210> 161
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3992126R6

<220>
<221> unsure
<222> 96-97, 99, 104, 106, 115-116, 121, 126, 144, 159, 164, 184, 188, 197,
204, 219, 223, 234, 244, 251, 284, 286, 334, 362, 365
<223> a, t, c, g, or other

<400> 161
aaaaataccc tgatttgaaa ccaacagcag atgttgcaaa ctttcatacc actgctggcc 60
atggaagcct ctttaacaaca cactgtcatt taaggngng gttntncttt atacnnagag 120
naagangtgg tcttaagggg atgnttccag gggggtgant tcangcctct cctgtatttt 180
ccancaantg gggatatntgt ggtngtttgt tttttatang ggntaataat cccnggattc 240
taancatatg ntcagctatt ttaaagaggg gattaaatat tatnanagaa atagtaaaga 300
taagttatcc tcacttaggc aaaagcacca ggtncctttcc atatcaagtt tagcctaccc 360
angngtgttt tttgtt 376

<210> 162
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 342907T6

<220>
<221> unsure
<222> 344
<223> a, t, c, g, or other

<400> 162
tgacttggga tttgacaaat tcaaacttgg ttttaacaca ccatgtgcat ttcctgagcc 60
ccaggcgtac cagcagacac agggctgaaa gacccagggc ctaccgcag ggcttagagg 120
ctgaacccaaa ccgtttccca tttggctcaa gaccatggat gcaaaaatga ccatttttaa 180
aattttaaat tcaaatttat tttacttggg gataatcatc actgacactc actgagccat 240
tgctaggtca ttgtctatgg gcagggtccat gcataatgtt atttaatcct cactctggga 300
aatgttatcc tcacttacag aggaggtcac tgaaagctca gagnagtaaa g 351

<210> 163
<211> 474
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 462533R6

<400> 163

```
caaaattaca tttaaaacag tggattgttc tacaaatata tatgtgtata tatacatatg 60
cttctgaaat aaggatatat tatatgagtt tttatttgat ttgtggtctt tagtcatagg 120
taatcaaaaa taaagagatt tgaatgcaaa actttataca ttaatgtaca tttctaataga 180
tggtagaaaat tgccacttta taataaaaaa gaaacaggtg ggaataataa tcaaagcacg 240
tgttccttca gtactttggt gatttttaat cccccttggt atgcacagga aattatTTTT 300
tagttacaaa aagttatctt agaaatctat acttcccaat acagatttca tgtaaagtca 360
tatcaaatgt agaatttggt gtgaaagaat aggaaaagg atgctagatg ctgatctttc 420
tttttcaggg atttttcccg ggaggcccaa gttaaaaatt ccataactta atcc 474
```

<210> 164

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1554666T6

<220>

<221> unsure

<222> 296

<223> a, t, c, g, or other

<400> 164

```
cagggctctg ttttaagccc tttttatctc tcacagtata gactctctca tggggtaaata 60
attgacatga cttcatttcc atctatctgc tcatcactca caaatctctc tctagtctag 120
acttctctct gagctccaga cagcaactg tctcttcgag gcccctatggc tatacctcaa 180
acacctgtcc taaacaaaac tccccatctt ctcccacaac tgctcttttt cttgaagtcc 240
acgcgtccaa ggcggcccat ccagtcctcg ggcagaaact ggcagacccc cttatnttca 300
catctgtgat aaccgacatg ttcactgttc tgctt 335
```

<210> 165

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1872410F6

<220>

<221> unsure

<222> 47, 235

<223> a, t, c, g, or other

<400> 165

```
atctgaaagc atgcgtgtgt cacagaccat tcagaggggc tataganagc aaactccagc 60
tgaaagcatg cgtgtgtcac agaccattca gaagggctat acagagcaaa ctctagctaa 120
aagcatgcat gtgtcccaga ccgaaaacca gagagagcaa actccagctg aaagcatgcg 180
tgtgtcacag accattcaga agggctatag agagagtact ctagctgaaa gcgtngcatg 240
tgtcacagac cattcagagg ggctatagag tactctagct gaaagcatgc gtgtgtcaca 300
```

PA-0020 US

gaccgttcag aggggctaca gagagcaaac tccagctgaa agcatgcgtg tatcacagac 360
cgaaaaccag agagagcaaa ctctagctga aagcgtggcg tgtgtcacag accattcaga 420
atggctagtc catttttctt ctgggggttt ctctcccca ttatattgtt tgggaagcag 480
tttgtttact ttaaaatgac ctggattcca ccagtata 518

<210> 166
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1991934F6

<220>
<221> unsure
<222> 71, 88, 109, 188, 268
<223> a, t, c, g, or other

<400> 166
aggtgaggca cctgagaagt tgtggcagcc tcttagggac aaagctgaat ttccctgaga 60
ctagaaacct nttcttcoga aaactctnga tactttttgt actgggccna tctcttgtca 120
cttaggcaaa ttctttttca gttaatggga ccaaagagag atgtttttgc ctccccctaa 180
gctggacnta gttggcttaa agtgaagaa tcccaggag gcggggacct ggtaaggccc 240
ccatcattca gctgccctct cacacctnaa gagccacttc tctgctccaa ctgtggctgg 300
ctttgtgttt tgttttaacc aggaaggtgt tccccgtg 338

<210> 167
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2264271T6

<220>
<221> unsure
<222> 484
<223> a, t, c, g, or other

<400> 167
gacctttcag aacctctatt gccctctgtg ttaaattggca gcaataaaac ctcccaggat 60
tttcaggga ggggtggat caaacaagtt acaacacatg tgaaagtgtg ttggaaagca 120
ccaagtattc taacagaaaa ggccaagaaa cagcatgcat gctgccactt ccctctcccg 180
tgcccaaggc agacatggct atctatctcg gcaactgtct accaagctat attgatcatt 240
cagaatccct ctcaacacat tccaggatag ttaggggtgac atagcctcca tgggggtgaag 300
agaagcagca atgcaaagca gggaatgccc aggggaatggg ccagggtggcc tgtgccgtct 360
atgggctggg cctcatgctc agctgggctg tggctgggct tcaagaggcc tttgttccca 420
gcacctctgg tagcaacccc agttcctctt tcgtgcattg tggttccctg agaaaaacgt 480
taanccagcc ccagcacag tcaggccagc cctgggggaag ggctcattca tga 533

<210> 168
<211> 511
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 2374921T6

<400> 168

```
atcaaagctt gctgcagcct tgaactcctg ggctcaagca atcctcttac ctcagcaact 60
aggactacag gcacatgcc aacgcttgg ccttctaatt ttttctgtg tcaacaaaat 120
aaaactcagg cctaggaata gcttggttca gaaatcacag agggacttag tattccatta 180
atacaaattg aaacattaag ttcattcatca gatgataaaa ggaaaaaaa aaacctgata 240
ctcatctcaa aagacgcaga aaagacattt gcataaatcc agtacctatt attatttcaa 300
atttaaaaac ttcttctttt ttaagagata gggatcact atgttgccca ggctgatctt 360
gaactcttgg cctcagatga tcctcctgcc tcagcctccc acagtgtctg gactacgggc 420
atgagccacc acacccatca taaattaaaa cttctgaaca atctagtaac aaatggaaat 480
gcttttccat gatccagcac atctagcagg g 511
```

<210> 169

<211> 61

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2530696T6

<220>

<221> unsure

<222> 20, 41, 47-48, 50, 55

<223> a, t, c, g, or other

<400> 169

```
aatatattaa tcagaaaagn cacatactat aaatccagga naatacnngn atatnaatgt 60
c 61
```

<210> 170

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3092415T6

<220>

<221> unsure

<222> 22, 73, 135, 173

<223> a, t, c, g, or other

<400> 170

```
agaaaaaacc caacaatatt anacaagaag ctactgcact ggactacaga gctaaggtat 60
ggtagatcc tantgacttc attattagac catcagtctt ccatttctct ctatcctcac 120
agcctgactt ccagngcaag tcataaatca atgttgtctt agactgctgc agnctcctca 180
cagtc 185
```

<210> 171

<211> 346

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3092627T6

<220>

<221> unsure

<222> 56, 58, 72, 79, 145, 177-178, 193, 212, 226, 229, 266, 271, 295, 309, 320, 332

<223> a, t, c, g, or other

<400> 171

```
atgtgttttt aatgtgttcc cttctattac ccctccctct ctacctcccg gggaananaa 60
aaagtagaga angaaagtng acaattccct tgttccctca aggagtaaca gctcaccctg 120
caggcataca gcagggaact ctcanaccaa gggaggacgt aggaagggag tgggttnngg 180
gggatgccac cancaccagg agagctgtgg gnggctaggg caggangtng aataatttca 240
tttcacaggc tttccagagt gttaanggta naaagagccc gggagatttg aaganggttt 300
gcagagatng agaaactgan gcaaaatggg tngttacttg ctgaag 346
```

<210> 172

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3602715F6

<220>

<221> unsure

<222> 47, 250, 305, 319-321, 323, 325, 473

<223> a, t, c, g, or other

<400> 172

```
ttatttcctt aatccacaag cagtggttac acttgctttg cattctngtc tggttcctaa 60
ctctagagcc cttctccctg gcttagccag taagctgagc ccctggctgc gttcagccgg 120
cccgcctgag agacactagg ggaaatagct tttgtgggca agcagggtgg ccggtggtgc 180
tcagcagtct ttccagtggc tgtgtccctc ctccaaatgt ggacaggcca tgacagagtc 240
ttagcccaan tcccacagat ccccaaaagt tctgttgatt gcttcagggg atcagtgaaa 300
attanggaat tttgtgtgnn ncnanataca ttttttctgg ggagatgagc ttctcattga 360
gatctgtgac tcagaatcga ctaagccacc ataagtctgg atttctcccc agctcccaag 420
gcccttttgg ggtccagaag acctgcatat ggggctgttt actcatgcaa atnaggtatc 480
tgaactgcag ctttcagtat 500
```

<210> 173

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1879094F6

<220>

<221> unsure

PA-0020 US

<222> 237

<223> a, t, c, g, or other

<400> 173

```
caattctatg actgaaagtg actaaaaagc tggctttatg ccattaacac tctgtacttt 60
gcagccaatc agaactgacg cagtctgggt gctagctgct tcaaaagcaa cccacaccac 120
acttttacca ttccatatac tcaactgctg agaatatgaa aatgcacagt gacaggtttt 180
aggatcctgc ttcaggattt ccttttcctg gtttggtcac tagagttggc tatttanctg 240
tttctaaaca atagctattt tatcgaatag tttagagacc actattaaat attgtgactg 300
atgaaggatc tgtgaatttt ttatatatgt tctaagagtt accattttga taccttttaa 360
aaaccagcag ctttc 375
```

<210> 174

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3735627T6

<400> 174

```
tgaggcagca tgggagtctt ggcttggaac tcaggtctgc gttcttggtc ccttcagtca 60
ctgacctaat atgtgaactt agacaattca cttgcctctc tggaccttta aatgaaagag 120
ttaaactgta atggataatg tccctgggct ctttcacata atccatactt gagaaatcaa 180
tgaatcaatt tgaagaaact ctaattctaa gacataggta tcctggcacc tgtttgaaac 240
agctgaaagg aggtaaaggc caggttcctg tttattatac atttagctat aggaaaagaa 300
gcacatatat ctatggagac acagaacctg gcagccocta tacttgacta ataaaagcaa 360
attcctggaa gaagcagaga aataggccac aagtggagact ggcagtgatc aaaaagggtc 420
ataagtttaag tgatccaagt agtaaaaaac a 451
```

<210> 175

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1958331F6

<400> 175

```
aaaaagaggt cttgccttta atgcagtgcc taaattacca catctttatt agaatttcat 60
aataatgctt tgagggttga taaaaatttt tctcaaaaga gaacttctta aaataggagt 120
ttggatatcc agatattcca gagaacttgg ttgttttagt ttttaaattc taagaatttt 180
tcggccagaa aatgatcctg cagagcatcc cttcccccca cctcaccact atttctcaac 240
tcct 244
```

<210> 176

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3234716T6

PA-0020 US

<220>

<221> unsure

<222> 5, 19, 66, 80, 83, 94, 109, 124, 127, 131-132, 135, 143, 159, 171, 180, 183, 196, 207, 230, 235, 249, 254, 260

<223> a, t, c, g, or other

<400> 176

```
atctncttcc atcactggng cagagtccac tggacttcc acggacgctg tcagcaactt 60
tctgancgcc ttcaaagaan ccnaggcagt catncgttct ggctcttctt gggcgggttc 120
ttctntctca nnggnccctc canactccag ctcttatgng catgtgcccg ngaatcgtgn 180
tcngtctctt cttgcnacag gattcancac ggggtcatcc actcttgaan taatnagctg 240
ctcagtggna tctnggggtn gggttgggcc a 271
```

<210> 177

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2707709T6

<220>

<221> unsure

<222> 199, 214

<223> a, t, c, g, or other

<400> 177

```
taggtgattc agttttatta ggctgattag caataatttg caaaaactgt ttaaacaagt 60
catggaaaat aaaatgaaaa tttaattagc accagtgtca agggtaaaaa agcaattaat 120
attaaacact aatgtgaaga tactgttctt ttgtttttaa ttattcaata ccacactgag 180
cagattttga ttatttttnc tttctgagaa aatnaagggc ttttaaaatt atacttaata 240
tgagctgtac taactataaa tggtgaaac 269
```

<210> 178

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3111091F6

<220>

<221> unsure

<222> 22, 49, 128, 130-131, 133, 415

<223> a, t, c, g, or other

<400> 178

```
ccgccgtcct gagaggattg tngctgatgt gcagatctca gctggctgna tgcattcagg 60
ataccccatc atgtgccacc tggagtctgt gaaggagatc atcaatgaga tggacatgag 120
gagcaggngn ntncggggcc ccatccatga gctggggccac aaccaacagc ggcattggatg 180
ggagttcccc ccacacacta ctgaggccac ctgtaacctt tggtcagtct acgtgcatga 240
aacagtccctg gggatcccta gggctcaggc ccacgaggct ctgagccctc cagagcgaga 300
gaggagaatc aaggcccacc tgggaaaggg agccccctg tgtgactgga atgtatggac 360
agccctggaa acatatctac aggtactgag ccagaaattc tgggagaagg ggaatnaccag 420
```

PA-0020 US

accccttcag tcatgtagcg acctgggatc ccagtagctc t

461

<210> 179
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1352487T6

<220>
<221> unsure
<222> 224
<223> a, t, c, g, or other

<400> 179
gtagaagtat gtgttggcaa tcgttttcgt aagagtcaga aaaattaggc cggtttcaca 60
atatagagtg tcctttctgg tcaacagtat tgcttcagga cagaagagca tttcacagat 120
ctttcctgta acttctagaa aagtcattcca gccagattta ggctcaagct tctttacaaa 180
gccattttcc tatgagagaa taaatttaaat attttaaaaa tcantggaga ttaagtatgc 240
tggaataaaa agcaaaaata ttttcattta aata 274

<210> 180
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1361439T6

<220>
<221> unsure
<222> 92, 107
<223> a, t, c, g, or other

<400> 180
ccccggacag cccttttagc cataaggaag tagcgggtcca cgggggagcc gagggccacg 60
ttgatagcgc gcacggtggt gatgttgccg anaccaacag catgggncgc g 111

<210> 181
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1214059T6

<220>
<221> unsure
<222> 309, 318-319, 359, 408, 554
<223> a, t, c, g, or other

<400> 181

PA-0020 US

```
ataatattct ctggaatac taaaatcatt ctgttatcct aacattttta tactatcatc 60
atatttagaaa ataaaaggcc tgcgttatat actagaaaaa tttcttcatt atatgcaaaa 120
tatttatctc ctctagtaaa ggagattaaa gaacaactgc aagaggaagg aaggctctga 180
aagtgtttca tttggtatct acctacccca accccaagac ataaagacag ataaaggcac 240
taagatgcta gtatgtggct agtcctttca ataaccagc cagtccatac agataaccca 300
tgggatatnt tttttgcnaa tctctttgag ccacgatgg tcattatttg gttagtctnc 360
ccaaggtaag gccataccag ctgttaaaat gatgtagaga ttaatcanca gggctgccac 420
ttgcgaatcc cctccaagga tgctgtgcaa agggctctcat tggctctgat gagtaatctt 480
gtgactgtac atattcctgg gtgcatgtcc acaaatactg aggtatagcc tgcattgccac 540
taaaaataac aaangg
```

<210> 182

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 182609R6

<400> 182

```
gtgagctgga ctaaagggtta tcttaggtcc ctttcaactc tgcactgtca acttgaattc 60
atacacacag ttgacacaga accctcggtt tctgaacaaa agcatataaa atcctggtgc 120
caatccttgt atgtcagttt cccatgggtc ttgaatgcaa atacaaatat cgtaaaactaa 180
atatttgtgt tttctttcct agactctcca gaaagagcaa cagtaatgga gtacatgagc 240
actggaagtg acaattaagg aga
```

<210> 183

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1930329T6

<220>

<221> unsure

<222> 2, 545

<223> a, t, c, g, or other

<400> 183

```
cngggagacg gggctctgcc cgccccaccc tgaggtggaa cccccagctg ctctgggca 60
cagaatcatt tacaaaaata aatatgaaaa aagcagcaac tctttagtga tcatggaatt 120
aatctgacag caattaaatg tgtttaagca tctggcatat ctctcaatt gcacaaaaag 180
aatttggaag cacttggttt ggtctcaaa gcaaaaggaa aggacaagga aggggccagg 240
cctcccgcga ggccccgcc cccctcacat ttctgagtc gcatacatcc cgttgattaa 300
gtagtccacc tgggtgtagt ccttcttctt gtagctctca taggcctgca gggcaaacia 360
aaccaagact gtgatgaaaa ggggtcaccgc gagtaacagc accaccagaa ggagagtgtt 420
gtctaccacg gcctgggtga ggggtcagc ggtgaccacc atgtactggc cttgggtgct 480
gggctggcac gagtccgtgg ctggcatctt agtgccccct gagctcctgg ggtgttgagg 540
cagtnaatc agtacctggg tgtggcttca gtctcta
```

<210> 184

<211> 408

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 927117R6

<220>

<221> unsure

<222> 80, 116, 132, 136, 138, 142, 155, 159, 170, 176, 183, 185-186, 188, 190, 193, 209, 217, 221, 238, 292, 309-310, 318, 325-326, 348, 351

<223> a, t, c, g, or other

<400> 184

```
caatatgttt cttctggata tccttcactt caaaatagct tcataaagtc aggtccttct 60
gtacctccct tagtgaatcn acctctgcct acaacttttc aaccaggagc tcctcntggg 120
atccctccaa cnggangncc anccccagtg aggggccana tgcccctgan atcatnatat 180
atngnngnan ccnagccctt atataattna gctgtcnacc nagagggtat tacatcanat 240
accatctaac ggatctatgg tgggccacag tagttacgac gagattgaag gnggtggcct 300
attggcaann ccacagcnta ctaannagaa tcccaaaatg agccgcantg ntggatattc 360
atatccctcc ttaccacctg gttatcagaa cacaacacca cctggtgg 408
```

<210> 185

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2859369T6

<220>

<221> unsure

<222> 12, 208, 210, 214-215, 229, 237, 244, 248, 266, 273, 277, 281, 325, 340, 345, 373, 380, 383, 409, 425, 445

<223> a, t, c, g, or other

<400> 185

```
aactgctact gngaacaac tggataccat aacattaaaa agaagtaaaa ataaaagaat 60
gagtgcacaa agaaacgaac agctaattaa taagatgaag atgctcagga ttggactgga 120
ggagagtatg accgcaacac tcagatacat aaccacacct gtaaccacac ctgtttacaa 180
ccacagggtcc ttgctctcaa aataaatntn ttgnncattt acaacagant gaatgcntta 240
tgantgcnag cttttctttt attgcnattc tantcantca ntcaaacaga ccaaagggtc 300
atacttctaa aataagctac aagtnatctt tttctatgan aatgntgtga cttggtgcca 360
cagctaaact ttntctaata gngcatcat cagcccatgg cagcaaagna atgttaattt 420
ctggnatccc atgggctctt accgnagcaa caacttcata aagc 464
```

<210> 186

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1554387T6

<220>

665077 4425E460

PA-0020 US

<221> unsure

<222> 224, 251-252, 328, 332

<223> a, t, c, g, or other

<400> 186

```
aatgcaggta caaaaagtga caatctacag aatattttaac aataatcaact gcctatgcc 60
tttacgatga aacatgagac aaaagggata aagtgcctta caaatccaac accacaagga 120
ggagtttagga cttaggaata gactgagtag actatgtgcc ttgctcagcc acaattcttg 180
cctgtaattc acacaaagaa cactgtcaca ccaattactg tgcnaatgca catgtacaaa 240
cagatgacac nnaggagctc tgttgagac actgtttctt cagccttgac atgtggcaaa 300
gccaaagtac tccttgtcat tgacaccngg antatggcca agagggaaag gaacctctgg 360
gatctcccag ggaatctgaa tctcgaaacc tccaggaagc ctcttaggag ggctgtgtag 420
tgat 424
```

<210> 187

<211> 227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 503030T6

<220>

<221> unsure

<222> 173

<223> a, t, c, g, or other

<400> 187

```
ttaaatgtga taaaagctta tttctttaga tataagcaat ttgaggtaac atggcttgta 60
cacaatgttg ggaccagtg gcccttctgt cttgttgctc tgccatacct gacatatgac 120
ctctgtccca tggttagaat ggcattctca gctcctgccca tccagtgaact ggngcatcaa 180
tatccagcaa atttttttcc tgtcgaagaa ttgatgcacc ctctgtt 227
```

<210> 188

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2058709T6

<220>

<221> unsure

<222> 418, 426

<223> a, t, c, g, or other

<400> 188

```
ttttgtaaaa tataaataca aaggcagaga atttacttac aaagttaaaa cacagatttc 60
aaacataaac acacgattca gaaaatttta gttttatgta catttccaag caacctcaac 120
atattatggt agttttcaat attttacagg gtacagaaaa aaatagctca aagtcttctt 180
taaataagag cataaaatgt ttaaacatat aaacaatccg gtttgatgcg tgaaaactaa 240
tttcacagct tttaaattag gatataaaag tttcatacaa ttagttgttg tgtgtggata 300
tggtttgaat ttatattaca cactactgga ttacatccaa tagcatttac ctggcccagag 360
cagggtactct gtaaacaaaa caaagttata tcaccaagtg ccttccccga attcgctncc 420
```

tcaaancaac cacacagttc tgaccagtct acag

454

<210> 189
 <211> 365
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3988515T6

<220>
 <221> unsure
 <222> 276, 345
 <223> a, t, c, g, or other

<400> 189
 ttgttggttg attttaagta tgcatttatt tttgagtatg cgaaatatca gagttctgaa 60
 agtcagagct ttacaacaag ctgtagtcag agaagtgtca ctttcccttc atcttggcac 120
 tgcattccca ttccatctgt ctttccattc tttccacttc atgcccactt atcctccata 180
 gatatccaat cttgttagtt tctagtttac ctttcttgga ctttttttca ttaatgagca 240
 tatacatgta tattttctta ttcacatttt ccaacnaaaa gatcacatca cttagaaata 300
 tgggagtcct tccctatcag ttcgtaggaa gattttctcaa ttctnttgac aggcatctac 360
 tccat

<210> 190
 <211> 583
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2888859T6

<220>
 <221> unsure
 <222> 253, 410, 492
 <223> a, t, c, g, or other

<400> 190
 agacttggtg tctgtatcca ggagtgtggt agataactaac atagtgtttc atttacctgt 60
 gtgtgaaacc tgggtgaaga gccagggttt ctctcccca cccgcctcag agtgcttgtc 120
 ctggaatcag agtgtaaaac cccctcttga agcagacacc aaaactgaac ttccaccggg 180
 tcatgggccc tgctcttctt gctgtcagcc tagtccaaag agcaatgagg gaactgctta 240
 ggaggggtct ganggtgatg agggcctggg ggccacacag ggggtgggtg tgtcagggtac 300
 aagcccatcc ctgcctgcaa ataaccttgc acagggtcct tcttcattct ttctcttccc 360
 tttttgttta tgagatgaat ggctcttctg ctgtggcctt aggggcagtn gggaggcagg 420
 gagctatttg ggaacagcct ggaaagctga ccctgcagaa tctcccagaa gccttggtgt 480
 ggctatgggt anccaggctg tagaaatccc agatggctct cttccagacc tctccccaac 540
 tccagctcac agtttcagct tcttggcact gaaaacacta cta 583

<210> 191
 <211> 303
 <212> DNA
 <213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 3169474T6

<220>

<221> unsure

<222> 277

<223> a, t, c, g, or other

<400> 191

```
atataaccag cgctgctagc ggggacggtg gggacacctc tgggtctcaga tgagtgtctgg 60
gaaggagggg acttgctccg agcgcaagtt tgtgcggaag cgcggctgga cctgggctct 120
gaatccgggg gtccgggggt ctgcacccag gcgtcagttc ctcacccgca gagtggcccc 180
cagaagcctc cgggtggtcg cgaggatgct ctaaattccc ggggctaagg ccgagcccgg 240
cgtcccgcgc ccagcccgcg ggagctcttg gggatcngag cgcggccgac cttcgccagc 300
ctc 303
```

<210> 192

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1865880F6

<220>

<221> unsure

<222> 184, 260, 327

<223> a, t, c, g, or other

<400> 192

```
caggagttca acctcagcgt tactttgaaa gggctgccga cttcattgac caggcttttg 60
ctcaaaaagaa tggccgggtg ctggtccact gccgggaagg ttatagccgc tccccaacgc 120
tagttatcgc ctacctcatg atgcggcaga agatggacgt caagtctgcc ctgagcatcg 180
tgangcagaa ccgtgagatc ggccccaacg atggcttcct ggcccagctc tgccagctca 240
atgacagact agccaaggan gggaagttga aaccctaggg cacccccacc ggcttctgtt 300
cgaaaaggct cgtctgtgtc ctgccantct gagttatcca gaaac 345
```

<210> 193

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1440669F6

<220>

<221> unsure

<222> 382

<223> a, t, c, g, or other

<400> 193

```
caggcagttg tagccggggt ccgtgttctc acaccggtgc tctccattgt ggttgaagca 60
ggcatcaggc acttctttgc actatggagg aaataagagc gtgcatcatg tttagaagtc 120
```


PA-0020 US

```
actgccataa ggaagcgact gcacagggtta gctgctttcc tagatccaga aactcggagc 180
cccatcagtt cctcacctca tcaacatctg tgcactggat gccatttcca ctgtaaccag 240
ggggacaagc accacatttc cagctgccat cagggtagct agtacacttc acgccggcaa 300
agcagggatt ggacaggcat ccatctgaga caaggagaga gagacagtca cagtaaattgg 360
ttggtctaag ctgccatact gnccatgctg ggcattaaca cagtgtgaaga tattataggg 420
tatagggaac cgataacttg tt 442
```

<210> 194

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2995031F6

<220>

<221> unsure

<222> 89, 189, 206, 252, 272, 397, 411, 429

<223> a, t, c, g, or other

<400> 194

```
ctattctatc caaggatatgt agcccaggaa ataaccaact tgatgcgtgt tatgacccat 60
tttaagcctc ccatgatcac agtttttana atacaattaa ggactgggtcc ttttctaggt 120
gacacaagaa aggtaatagc tagaacagaa gaaagagggg tccccaaaaa tgtaacctta 180
aaatttgana cttgtgccac tattgntagt aagcagcatg gatgaggatg tggttctcta 240
aattggaaaa anaagttaca cagtaaaaaa anataagtat atctgtcaag aatcatattt 300
atgtgagatg tgtcaatact ggtcttgctg tatttcggct acttgaaaat aagttaaaaa 360
agatagtgtt tggttccaaa aaggaaaagt ccagccnctc ctgcatgagt ngggagctgc 420
aaccttttng aattgataaa tcacaaaccc ctcagaccca aagtgga 467
```

<210> 195

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 667705T6

<400> 195

```
aattaatcct cagtaagtca gcaaaccagt gacaagaaat tgacaaacac tccttctaca 60
gcttcctgag acagcaggct ggcttgtggc cccctgggtg gtaacatctt aaggaatcct 120
atcatgtttg tttatatatg ctaaactgta aaaacaaaca cttcatgcga caatcattct 180
taggtcaaac acaagaacga actattttga aatcaattcc tcacactttt tccctgaata 240
tgcagtactg tactactaac atctaattct gtagaaaata atgcatttgt tagtgacttt 300
gttagagctt gaaaagaccc ttttagaaat tattttaaag atcactcttt aaaaattttt 360
tttaattctc gaatctacta atgtgacaga caaacgggat gcttaacaga gtcataaata 420
ctgtgtataa ttgcttgacc atttctgggc attttaaata cctcccagaa tattacacaa 480
gccctgagac tagtgagcat cttactactg acctgtgata ataccaaagc ttcatt 535
```

<210> 196

<211> 370

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 2808826T6

<400> 196

```
tcttacattg gaacgatttt cttgttttta ttttctacaa aaaaaaaagc ggggggacgt 60
taaaattaag catagaaatg gtggaacttt gggatttcct gtccagtcac ctgcgagtca 120
ggttttattc caattgattc aacgtggcag attaaatgtg aaaagtaaaa tgggtgggctc 180
ctttaggcag caagtcttgc ttctctcctg gttacctctg cctacataga tatttggtta 240
agcaagatgt ttataccccc acacgtattc tagatagttc tgggtcatgaa gtaagtcaca 300
atthttccata tctgcacgat ttttaaaaaa tgggaactacc catctgcaca aaatcttttg 360
gagtgacggg                                     370
```

<210> 197

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2841974T6

<220>

<221> unsure

<222> 4, 26, 31, 66-67, 71, 89, 97, 103, 112, 114, 116, 124, 126, 130-131, 142, 144

<223> a, t, c, g, or other

<400> 197

```
aatnttcata tataaacaac ttttaantgct ntctccaat ttaaacaatct aaagacttca 60
aaaatnnggc nttcaatatt tgaaaaaant acagatntac aanatgtgta tntnngtca 120
tganantctn ncaccaacat tntnacttg gaaaa                                     155
```

<210> 198

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3175296T6

<220>

<221> unsure

<222> 27, 477

<223> a, t, c, g, or other

<400> 198

```
gacacacata cacacacata aagaagnaaa gtcaccagct gagagcgaag tttgggggtg 60
aagttttgag gtttgagaaa aaagaagtct gaaagtctaa cctctttttg aaatgtgcct 120
gtgatgaaga gtgacaatcg gcaaagcaaa tctaataagga tctctaaaaga gccttttcct 180
gttggtttaca attgtggcta aagccctgca ctagaaaaa acaaagtcta agatcctccc 240
tgcacccct acccccgacc ccctggggca cacacaacc tctccacca cgttctaaaa 300
agactggaag gacttggaag aacattccta tgggatgaac tagaagggtg caggactgct 360
atcatcagac ctcatttacc caccgcttcc agctgaaaac cagggatttc acaaaggaaa 420
aatcatgaga gtcatagttc tgtgggtttt tcaaaaagga gaaggaagg acgcttnttt 480
```

ccttcccacc cctgaggaac aggc

504

<210> 199

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 693452R6

<400> 199

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gagaaaacaa atgaaccagt attottacat tgatttcaag tttgaacaag gtgacataaa 60
aatagaaaaag aggatgttct ttottgaaaa taagcgacga cattgtaggt cctatgaccg 120
acgtgctctc cttccagctg tgcaacaaga gcaggagttc tatgagcaga aaatcaaaga 180
gatggcagag catgaagact ttttgcttgc cctacagatg aatgaagaac agtatcaaaa 240
ggatggccag ctgattgagt gtcgctgctg ctatggggaa tttccattcg aggagctgac 300
gcagtgcgca gatgctcact tgttctgcaa agagtgtctc atcagatatg cccaagaggc 360
agtctttgga tctggaaaagt tggagctcag ctgcatggaa ggcagctgca cgtgttcgtt 420
cccaaccagt gagctggaga aggtgctccc ccagaaccat cctgtataag tactatgagc 480
g

```

<210> 200

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2203194T6

<220>

<221> unsure

<222> 58, 69, 185, 198, 288, 330, 337, 361, 367

<223> a, t, c, g, or other

<400> 200

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ctggagatct cacataaaaa tataagctta tcttgtcaag ccagaaaatt tggcagtnng 60
gtctgcatnc tggcgtggca tcatcagctg ggccctgagta gtgtgggagc tccctgggca 120
caggacaagg gctcaggagt gtgcccagtc cccaccactc ccatcgtctc acagtgggct 180
gcctnattcg cttgtgtnac ccgctaacct tgcttaaadc tcagctctgt ctctaataag 240
ctgtgggacc agctctgggt ttccctctct ctgaatgaga tgtgaatnac agcgggtaga 300
ggggaacaga ttctagaggc tcggtgcttn ggttcanaac cccagctctg tcgtttacaa 360
ngctgtntga cctta

```

<210> 201

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2231176T6

<220>

<221> unsure

PA-0020 US

<222> 577

<223> a, t, c, g, or other

<400> 201

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ggaacgagaa ggggctaggg ataagaatga ataaaagtgg aaaaactaaa acagaatgat 60
ttaaaatgtg caaatatact ttgcaacctc caccattcaa tttagggatt gatatgtatg 120
tacagtgaga tccatgtagg ctaaaagtga tttcactttg tagttgatgc tacttgtacc 180
agttctatca ttagtaagtc accgtttaat tctgcaaaaa tcagacaagg atctttctgg 240
ttagtgcaaa caaggttttc catcctgggc tgcagtctga cccgccagtg ctcagtaggc 300
atgcttgtag tgaattcgca cactttccag ttccccacct ccaatggcgg ccaggggtctc 360
cagcctgttt aagcgcctca agcttcttcc aagaacttct tctagccgac tgcgtaacac 420
ctgagccctt tccagttcca cctgcagagt tccgtctctc tcagagctct ctggatgggc 480
atggaacttc accagactgc tatagagctg tctctctgct tgtaaggcct cattgagccg 540
actccgttca tctactagtc cttctagcat cagcagnaac tgttggcctt cggggt 596
```

<210> 202

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2370457T6

<400> 202

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tacatagtca ctatgccaca agatgttaag aatagttttc tctagatagt ggccttacag 60
gcaattttta tttgggggtg gtgtgtttta ctcaataaat atttattact tttgtattca 120
gaaaaaacat taagagaatc ataggaaagt ttaactaaaa aagaaaatct ttaaaatata 180
attaaattat ttaacatata cttcaagtga gattgtttcc ttttgctaag ctatattttg 240
taatctccac aacaaacatg aaatagtaaa gttgacataa aaaaacttgc acagtaatag 300
gaagcagtgt ttacattttg ccaccctta cattttgaag aggggaactca tattcttaac 360
caagactggt tcttatcatt attcaaaggt acctactttt cctaaatatt gcaattaaat 420
tatttgtagt taagaaagca gtgtattgta aaggaaccag ccagacctgg ggtaaattcc 480
taattttgcc attaactttg acataaccac ctaacccaat ccaaaaacga aagt 534
```

<210> 203

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2379695T6

<400> 203

```
ggagacactg ctacaaagca tgaccccaaa ggtgcagaaa tgccctgcatt aggctggaag 60
attccctgag gtggctcagg caggttaagaa acccacacag tcctgggtcc tccccaagcc 120
tcggacgtgc agctgctgct tcaactggaat tcttctctcc tcctggaaac ttgctccagt 180
tgtgtcactg gaggaggaaa aggtgtgggg gagggggaag agggggctgg agctggcctc 240
ccccgaggcc tggtccaga actcgggctg tgtggggcgg ctgaggactg tgctctgtct 300
agagcttttg caggcaagga gtcgggatgc agcaaggact gagggctatc tgccgtgact 360
cttcaaagag gggcctgcc caccaccaa gtcccatcct ggagtctaca agccaaggag 420
ctgcgacctc accgagggcg cctgttatta aatagcccat tggctgcgcg cggtggtcta 480
tgtgtcaatc cagcac 496
```

<210> 204

PA-0020 US

<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2503204T6

<220>
<221> unsure
<222> 394, 419, 441
<223> a, t, c, g, or other

<400> 204
attgatgttg gagtatgctg aaatgcagta tataattcca caggaacctc atcaccactc 60
tcagttgcac tggatatcacc atctgacata ttttcccttt tccggcgttg tagtagcact 120
gccctctctt tatccaaatt cctaggctga caacgttcac atagatatgt atcaggaata 180
tgctgcctat caatccccat gcagtcaata tgttgcaaaa cgctgcattt gtcacaacag 240
atcatgtatc catcatcatg tgtaaaacca catatgcacc tggttacatc agtaccataa 300
cttccatcct cagatgtgct gattgtagta gcactggaag tttcatcaaa attaggagtg 360
gtaaaatatgc ctacttcatt tttgctaata agnctgatg gaggagggga agcccggang 420
tgtcggagga gggacgagca ncattaatta tgg 453

<210> 205
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1849962H1

<400> 205
cggttctttc cctgggttct tgagagagag aaagtcagtg tcttttgata caagttagag 60
cagagaggag ctgcatgaag acttgaaaaa gcaacactga taggcataag gaggctgaaa 120
ggagacttga gtaaattaaa tttattgcat ctccatatcc tgcagatcta tccaataaag 180
gagagaaaca accgcacacg cctggctctc atcatatgca atacagagtt tgaccatctg 240

<210> 206
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2078863F6

<220>
<221> unsure
<222> 327, 340, 381, 384
<223> a, t, c, g, or other

<400> 206
ggggagaagc tgctgctgcc gccgttgccg ggagccgcgg agacaagtca ttacgttttc 60
atttctcaca actgggctga gcacaactga accatggggg aacacagtcc agacaacaac 120
atcatctact ttgaggcaga ggaagatgag ctgacccccg atgataaaat gctcaggttt 180

PA-0020 US

gtggataaaa acggactggt gccttcctca tctggaactg tttatgatag gaccactggt 240
cttattgagc aggaccctgg cactttggag gatgaagatg acgacggaca gtgcgggaga 300
acacttgccct tttctagtag ggggttnaag aaggctttcn acctggatag atcatgaagc 360
aatgtcccca gggttatgtg nagnacattt atctca 396

<210> 207
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3218325H1

<220>
<221> unsure
<222> 18, 97, 107, 130
<223> a, t, c, g, or other

<400> 207
ccttgtgcaa taccagangg ctaaaaaaca ttagcaagca tctaacctcc tgaaactggc 60
cattttcttga cctgttcctc ctgttcaagg ctcccnttc tggattngac caacaagttg 120
aaggatgacn ggggttttgg tgatgcccat gtgtaaagat cctctctggg gtttattaca 180
caggcttgta cagcgagatc ttttcatcat cctgctgacg attgacaggt acctggccat 240
cgtccacgcc gtgtttgcct tgcgggcacg gaccgtc 277

<210> 208
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2927175T6

<220>
<221> unsure
<222> 23, 29, 32, 62, 75, 97, 107, 110, 166, 210, 227, 230-231, 237-238, 243,
245-248, 251-253, 257, 260-262, 276-277, 283, 311, 317, 359, 434
<223> a, t, c, g, or other

<400> 208
aaaacaacat ttctatgata cantttggna anacaaactt taagaaaatc ttcaagattt 60
anaaaggttt aatanttagt acaatgcaaa aactganttt aaatacnan atgcacttga 120
caacatacaa ggtcacaatt atttcagttg gtaggatagc tctggntaaa ttcaatggtc 180
attttttgct acaaaaatata atttaaaatn aagatcacag agattangan ntaactnntg 240
cancnnnnac nnnngctntan nntattttgc agaganntct gancacttta ggaaaccaga 300
atgaggaaaag nggacangag agatcatgtg actgcttcac cctgatcaac ctggggcana 360
agcaccggc gtccctccca ccgcctgcc ctggtcagcc ctatgatcca catcaaccat 420
gtcctttgtc ctanaaaactc cca 443

<210> 209
<211> 532
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>
<221> misc_feature
<223> Incyte ID No: 1997874T6

<220>
<221> unsure
<222> 335, 354, 407
<223> a, t, c, g, or other

<400> 209
gtttcataga aacaacttac atttgccaat ataaggcaaa tggctctatgt acagatacat 60
caggactgcc taactgacag tgagtgttgc tagccaggct ccaagctaata ggagctaata 120
cggtggagct ctctgctgaa tggactttcc cttcaggata cgtcggatct gttctccac 180
agggccatcg ggaaccaaatt gcactggctg ttcgttctcc aagttccgag tacttgggtc 240
tgctcccttc ctcatacaaa ggcggacagc atctaattgt gtcaaccgat actgcaggct 300
ggcagcaaca tggaggggcag tgttgccatt gtaanccttt gcattcaca aagncaggca 360
actgggcagc tccaaaaaga ggcgaatgag ttccagattt gcttctncag ctgccaaatg 420
caggggtgtgc ggccactttt gcgatccttc gcttccaccg ctgtcccat tgaattaggc 480
acttaatggt atcaaccaga ctcttaattc ttcagtaaaa gtcctgaac tt 532

<210> 210
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2660871T6

<400> 210
gcactctaatt tcaaagtctc ggcattaaca tatattttgt tgatctggtt gatgatttta 60
aaattatttt tcttttgat tctttaccta cggctaaatt tctaattctt aaaatgccta 120
cattcatttc atttacctta cattttatct tactcatttt taaagccttc aacatttttt 180
gagttttgaa ataattctca atttcttagt ctcttaattc ttaaatttaa aaagggtggt 240
tcttaccttt taaaattttt aaaaataatt atgtcaagta atttttgaat atagtaacct 300
gattctacat ttctcatggg ataaattcta aggtaaaaaa aattgcaaatt aaatcttaaa 360
ctttatttag taggtttatt attagcagca gatgtctagc cagggtagat tacttttata 420
agaccaacct ctcaaccaaa actactagaa gagctagaga gggagaaaag tctattttgaa 480
gacatcaagg atttgatgag ctaagattgc agagagaagg gaagtatggt gaaacagt 538

<210> 211
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2907049T6

<220>
<221> unsure
<222> 20, 34-36, 53
<223> a, t, c, g, or other

<400> 211
gggagctcaa tcttcagggn aacagctcaa agtnnnaagt attcatgtaa gtng 54

PA-0020 US

<210> 212
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3149004R6

<220>
<221> unsure
<222> 499
<223> a, t, c, g, or other

<400> 212
aaagtcggca agcaaattta ttaacctgct gggctgctct acagaaatct gaggaggcag 60
acaccgggct tacaggctaa ggggtataag taggtctgca ggggttttgt gtgtgtgtgc 120
gggggtgtcg ggggggcaag gccatttgtg gagacttttc ctcccagtat ggccacatcc 180
tgcagtttgt cagtttttgc ccccgcttgg ctcaggggtac caggatgtgg tttagcttag 240
gggtggttat agtggcacct aagtctctgg aacttgccgt gggggcgacc ttttgacga 300
aaaataagct gcagggcagc taggggaggg ggcttggtat attcctctgg gggcaggggtg 360
tccctaactg ggctcagtcg gaaggaactt gaccaaagtc tgggctcagt tgggcatcac 420
tgaggctaata ggtcgtgtgc tggatgccat cagagggaag taccaatggt aaagtggaaa 480
caatgtgcag ctttcaacng ggtggaggct gctattctgt g 521

<210> 213
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3269702H1

<400> 213
ggagtgggag ctcaagcagg attcttcccg agtccctggg taagacaacc ctgcttcttt 60
tcttggtttt agaggggtctc cttgtottaat ggggaagcgtg cagcacctag tgagtggatt 120
tgaagagcca ctttgtaagc aacttgggca tttatttcag ccccagttcc agtcttccct 180
gactcttttg gcatcaaggc atcctcagaa gcttcaactc tggaggcaat gggtcgaaa 240
gaagaa 246

<210> 214
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1929661T6

<220>
<221> unsure
<222> 189, 196, 201, 206, 213
<223> a, t, c, g, or other

<400> 214

PA-0020 US

cacgtgtata aggcacaggg gcaaattggct ttgggggtcct ggaactggaa atggagacag 60
gtgtgtctca ggtgtccctg cctccaccac cccctaagtg cacttgagac aggaccagtg 120
gtgggtggttc cagcccaggg tcctgaaggg tcccaactggc tctagaggag agccatgggg 180
acagctccnc aggctngaac ntctantctc canctaccca ggaggggacct tctcctccta 240
gggggcgagg ccagcttcca aagt 264

<210> 215
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2709044T6

<220>
<221> unsure
<222> 16, 30, 58, 96, 105, 203, 211, 217-218, 249, 256, 296
<223> a, t, c, g, or other

<400> 215
caggtttggt ttcttngggg ttctcttctn agtagattaa atgttcacag agactagngc 60
tcaggggact gtccattcaa aagctaattgc attttngcta acaanaagcc agtacaagta 120
gcaaaaatta tttttgaaga gatactcctt tgaatgacat gggttgcaag ttctctgtca 180
aataatgcc tactatcctg gtatnatagag nacacgnntt aagttgttta aaagggtcaaa 240
aaacatggna aaacntaag atgtctaaga tactcaactt ttactctcaa caaggncact 300

<210> 216
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3254777T6

<220>
<221> unsure
<222> 499
<223> a, t, c, g, or other

<400> 216
aaactacaca atgtaattca cgtaaccaca aaccagcaac tgcaaattaa gattttttgta 60
ggtcatgatt tctaaaaaat ccagccacgc aataacagcc tttctaaagc tgactttggt 120
ttagtgaaac aaaactgtga tgacatccct aagcttcctc cagaagagct tcgacgtgga 180
gaaacggggg ggacgctcca cctaaccgca ccattgggaa aagaggaggc acctggagca 240
gaagcttctc tcccaagtgc acaacagagc atcagcgaag gcagtggaga gagtagcaag 300
aaaaagggtt aaaatcatcg atgaaaatgg aaattaagct tgtcttatta caattaagac 360
aaactgacca tgtgcatttt cccacattc ctgtggggaa tcccagctcg tttgaacaca 420
cgccacgaac tcctggtatc cgtaagtatc ccagctcggt tgaacacacg ccacgaactc 480
cttcgtatcc ataagtatnc cagctcggtt gaaacacacg ccacgaactc ctgc 534

<210> 217
<211> 531
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 1452827T6

<400> 217

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ataacaaaat tcatacatatc aagtaacaaa atacacaaaa tataagtgaa agcaatgtta 60
aagtgccaca caagtttttaa taaattaatg actttttatt tgaagcagaa gaggatgaac 120
cgccctcccc ccaaaaagtc aaaagacttc agttatcctg gaaagaaagt tctagctttg 180
gaggaagac cccccaagc cttcatctc tgaagggcag gatcatagaa gacagtctag 240
aaggcccata gcatagccct gacagtcaca gctgacttat cacgaagggc cattcaatca 300
acctcctcaa tgatggggcc ggtgctgggg tccccctggt gggcttgagc gctacaactg 360
ctgccccag ggacaccagg ccccccatag agcctggaga agatggggcg acagatttgc 420
tccagctcct cttctgatgt catactctc ttctctgcca gctggttgtg tccagccagg 480
caaaggactt cctgacactt gtcttgact ttgcgctgtc ctcttcggga a 531
```

<210> 218

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3325383T6

<220>

<221> unsure

<222> 360

<223> a, t, c, g, or other

<400> 218

```
aacttacatt ttgttgacac taaatggcag gtttcataca aagactaatc ttttttatta 60
gggtaggaat aattattggt gactttctct gccaattttc caagtgttg taatacatgt 120
tgttactttt taaatgtgtt tttgttactt ttaaaatgaa atgaaaaaga catataaatt 180
atagcataca tgtctacccc tacattttaa acaatatatt cctatgataa ggcagaaaaa 240
ttaacctacc cttccctaac acaaacttcc ctttaatgcc tgtggccatc tgtagatcct 300
gtcctctggt agcaaaactcc actcatttgc tttttgaagt tgagttcaag atcctccan 360
ctcctcacct gccccgtcac ccacatctct gcattactgt aggctcactg catgtgccct 420
tcatctgacc ttgaatctag g 441
```

<210> 219

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3220151T6

<220>

<221> unsure

<222> 505

<223> a, t, c, g, or other

<400> 219

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tggagacaag tcacttagca cctgaagtct ggtactgctg agcaataaaa tagatacagt 60
aattcccacc tccacctccc attaagcaac atgatgaggt taaacagaat aaaactctga 120
```

PA-0020 US

tgtactctaa gccattttga gagaaatctc tttgtgtatc ccaataaaaag gacactccaa 180
attattttta tcatgtaatg ccacgataaa aggagcaagc tgcaaaatct ttaagaggca 240
actccattgc aaaaacaaaa acaaaaactt gggatctttt gtccaggggt gtcactctag 300
catctgcctg agtgacagca gttcatcac tcagtctagc tgccgtctgc cctgtggatg 360
agcaagagcc tcaaagtcta ttataactct aattgctttc gggtatgggt gaactcactt 420
gaagaaagag tgataaaaaa cttcagtttc tccattatct gtatattcca tcacttaatt 480
gcaaaaatta atgatttgcc aatgnctaata cattaggggt caaccaatcc ggacgcgtgg 540

<210> 220

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3809026T6

<400> 220

ctagtttttg aaatagacat ctaattttaa ctgcttaaata gtaaatctca tctcagcatt 60
ttaaggaata gactaatat gagcaccaaa ttaaaacaaa caaacaagca acaaaaacac 120
aagcatttac cagaatggac ttttgttttg tgcttcttta aatttttaata atctgtgtaa 180
gaatttcac ataattcgca gataaatggt ctttctcctg aaaaacaaat tagaagttaa 240
aatttcaata ttttaaaagc tgctagctaa gacaaaaata tcaatgttta tgaacacaag 300
gcaaaaatta ttatagtgtt taaatttggt ttcaaattgt cactttaatc acctgggtat 360
aatatagtga aatgcaagat tctata 386

<210> 221

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 065498H1

<220>

<221> unsure

<222> 122, 139

<223> a, t, c, g, or other

<400> 221

gaaagtagca ggtcagatgg aaaattcttt tccacagccc tgctctccgc ctccctccat 60
cttaggagcg cctgcctcaa ttctcgtca actgctttgc tccactccat cccacagggtg 120
tnagtggggg aagtttttna ttaggaatac agtctgcgtg acatggagaa tggat 175

<210> 222

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1417323T6

<220>

<221> unsure

PA-0020 US

<222> 79, 185

<223> a, t, c, g, or other

<400> 222

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taaagaaatg ttacagtcca tgtaggaagt gctatgatag aagcagctgg agcaccttac 60
cgagctcagg agaccgggng gatggggggg cttgccagag ggcacagcat tgcaagcagg 120
gcaatgaccc agttctaaga cagactcgtc acatggcaag cagagtcggt cagactttgg 180
acaantttat tgactttctt ggaacctcag ttttctcatt tgacaaaact agatggtcaa 240
gaagcgtcta ggattattgg gacacgtaaa ttacataatt ctgacacagc ccccccaact 300
ctgggttctt ggtatggggg aagtttttta gtaaagtga agatgctgtg attagtactg 360
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<210> 223

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2410888T6

<220>

<221> unsure

<222> 3

<223> a, t, c, g, or other

<400> 223

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gcnagtcagc aaatactacc taaggacatc tcagatcatg tgacacgcct gaaatggaaa 60
gctcaagagc agatggggga caagaggagg acaaacgtcc gcacgcgggg gtccactca 120
tcatggttac actcctggac atgaccctac ctgatgggaa acttcccagg gaggtgttt 180
aggcagtgac aggtggcagg caggggctac gtgggtcacc ccacagggca cagcacacag 240
tgaagagaaa ggagagagtg ggacctagga agaaactggg gaggaagcaa aacacaagtt 300
ccaggggccg gccatctaac cagatccacc acacaaatgg cagccagatg ccagaggggg 360
agaggcacat cacgcacaat tctcaggaaa cagaaactgc cttacacacc tcaaactg 420
caatttgaca tcaaaaagta tcttgc 446
```

<210> 224

<211> 79

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1552980T6

<220>

<221> unsure

<222> 27, 55, 62, 69

<223> a, t, c, g, or other

<400> 224

```
ttacatcccg gcagggtaaa cagccantaa cttcacgaaa ccaaactcc agtangtcag 60
antgccatng gaaaggtag 79
```

<210> 225

<211> 465

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2507526T6

<220>

<221> unsure

<222> 76-77, 235, 262, 286, 288, 291-293, 403, 407, 433, 439, 441, 453

<223> a, t, c, g, or other

<400> 225

```
aaaaagatgt cacatatgaa ctggggaact ttagcaccaa aatcaagtct ctccatgtcc 60
atctagcttc cccttnttcc ccacttaaaa aaaagaaaaa attaaatcac aaagtccac 120
ttaagtcaaa atcttcgtcc gctttttcag ccttccttcc tgcagacctc cacaaccca 180
ggcaagatta gtcaacaggg gttcagatcg ggaagaaaaa ggttttgaat gtcangacag 240
gtttccccc aaacctggt cnggcaacaa ctcttccaag gggccncngt nnnccccgcg 300
ggggcggtta caggtggaga ggtgccaccg ggaagagggg aggaggaata agtgtggcgg 360
gagactgaaa tgagggaagg tgcagttgtg tcgccagagc tancacntta aagttcaact 420
tttttactag tcnaatagnt ncttcaactc acnatatctc ccaca 465
```

<210> 226

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3258109R6

<400> 226

```
gcaaaatagg gtagataatg gtagttattt cataggggtg tgtgcagctt aagggagatc 60
atgaatggac atttctaacc caatgtgaca atcagtgacc aatatgtttt ggctttttca 120
aaccaagaat ctagttgagt ccacagccac 150
```

<210> 227

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1306411F6

<220>

<221> unsure

<222> 32, 88, 200, 208, 223, 233, 266, 280, 285, 314, 345

<223> a, t, c, g, or other

<400> 227

```
gggcgggttt gaggaagtta agagaaggta cnatgttggc ctcacccgat gtccactttc 60
catctttatt gacatacgaa ctttcccnac acggaattct tgtaaagtgc tccccctaag 120
aaagaagccc tgaaaatgct gcggaatcca acagatgaag atgttccttg gcctggattc 180
attcttgggc agaccccaagn ttcagtangg tactggtgtg ctnaccaagt cancgttcag 240
agggtccttg cagccaaaaa cattgntcca tgccaaaggc tctantctta tggctggcgt 300
cttaaagctc ctgncaatgt ttatccatag ttgtcccagg aatgntttcc aggatactg 359
```

PA-0020 US

<210> 228
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 708018T6

<220>
<221> unsure
<222> 48, 286, 290, 294, 335, 357, 424, 433
<223> a, t, c, g, or other

<400> 228
atgtattggt actagaacaa cttgtatagg gttttatggt ttgggganaa cattttttaa 60
aaatggactt atctctatta tacagagtta taatataaaa atgatttaaa ggctatatatt 120
ttcagcatgt aggtagctac actgtaatcc tgttgaagaa actttcctat ttaagcttat 180
aggatgaaaa tatataatta aagtcttctg atcatagctt gagaccatca agggaaatggt 240
tagtttctct cacaagagc caccaggatt ttctcataat ctccnttggg ttcntcctgt 300
tgattcaaaa aaagggtatac ttaatgttag tctganaccat aattctctat tttttntac 360
ttatagaaga attattttta gacttagctg tagatgagat tacacattac cattcactta 420
attnaacaat atntacaaca gataactgat tttttatcat tgcataaaaa agcaatagcc 480
ttcaagactg agattacca cttt 504

<210> 229
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1713038T6

<220>
<221> unsure
<222> 219, 230, 294, 576, 589
<223> a, t, c, g, or other

<400> 229
ctttatagaa aaataaagaa aataaaaaatc atcaataatt ttatcaccca gaaacaatca 60
cttttaagt gctggtagag gttagtctat ttttaacatt ctgaaatcat atagatttac 120
atgattgttc tcacgtaacc tgtaacataa gcatttccca agttgctatt atctgttaat 180
aacagtgggt tgattaattg gattggctgt gtggatgtng aacggaagan ccttgatgtc 240
aagaagtgct gaagcacaga aggtgcagtc ggtcatttgg gaccatattg tctntggctt 300
tcaggacagg gagcttcagg actcaggtag atgactctgg aagaaacctt ctcttggaac 360
tgcagcatct ccctgtcctc cccaagggga atttaggcca ggaaatacca gatcttcctt 420
ctctgatttt cttctcaa atccaatgcaa gacaatggag actaaatacg gttctgggtca 480
tcaggctctt ccagagcatc cgggtgcatg agaagtgaat aggtgattgt gtctcagccc 540
caactttgtc agcctcatca gggattagtg ggattngctg ggttctcang gaggggtctt 600
cccatttccc tgcactcag 619

<210> 230
<211> 461
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 2226878T6

<400> 230

```
ggagtaagag ggggtgggatg gaggacagca gcagggccga caggacccta cttctgctcc 60
cgctccaga cgatgaccat gccgctggcg tctactggagg ccagtaggct ctgctcgag 120
ttgaagctga catcaagcac aggtgactg tggccctgca gcttggtgac agcagccttg 180
gccgcccgt ccacatcaaa gaagtgcacg cacatgtcct cactgcccgt caccacgcag 240
gccccctggc ggaaggacat gaggggacag aagatgctgc gcacaggatg tgagctctgc 300
tcgatggga agcttctctt cagctgcagg gtcccctcgt tgtctaccac cctgtagagc 360
agcaacttgt tgaggcaagc attgatgagc agtgaggat cccgggcctc gcggctgacc 420
caggaccggg ctgagatgct ggtcacaggg tcccctcatg c 461
```

<210> 231

<211> 86

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3483069T6

<220>

<221> unsure

<222> 28, 31, 37, 43, 74, 78-80, 84

<223> a, t, c, g, or other

<400> 231

```
caaatacaaa ttttctgtta agaacggnaa ngtgcanact agnagagtca atactggtaa 60
ccagaacgca ctantccnnn cacnta 86
```

<210> 232

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 405967T6

<400> 232

```
tgtcttttcc cacacatatt ccaaattctt taggggagta aaagcagtga aaataacaaa 60
attatgttcc acatgcccaa gtcacaaaat gtattaaata tgataaagta gcggctgtac 120
aaaattggac aaattgacaa ataacaatgg gtcaggaaca ctgtatctgt ttgatacagg 180
agtgatattg aaaaagggtt ctgtttttac tttctcttat ttgtcatcaa aaaagaaaat 240
tgcatcttcc ataaacagat tccagaaaaa gaaattttatt gttacctctg cgaagtgtgtg 300
gatagcttct ggtggttaagg atggtattga acacgtttac gtctgtcccc tttctccttt 360
ctctgcttc atacaaggcc tgtcaagaaa cacaaaagta aacacttcac tatctgctga 420
aatgatattc gcacaataat gttagacctt gtcaaagatt atataggcaa tcgctttgtg 480
cccaatacaa tcagagtagt caacaataag attgcaagtt ctttaaagat agggacctta 540
ttttgtttgt caaatatctt ccacagttct ctca 574
```

<210> 233

<211> 552

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2783681F6

<220>

<221> unsure

<222> 416, 468, 480, 526

<223> a, t, c, g, or other

<400> 233

```
catcaagctt ggctcatggg atctgctgct gcattaaatc gggaaagaaa atgtgaagat 60
ttcatttgga atcacagaaa atgccc aaat gaggtcaaga tggcgagtgg gtgcbagtga 120
gaatgagtgg caaaatgtaa tgaaaacttt acatgaatgc ttatttaggt tgttcaaagt 180
aaaaagggct acaggtcaca gatcgtcagt gcctgagaaa gaacattgac ttactctata 240
tcaattgagg ggaaagtgca gtaccgtcat cttcaagcct tgtaagcata aaagagaata 300
ggctgccc ataatgcaaa ggaaaatgag cccaggcctt gctatgaagc agtgtgtgaa 360
tggaacaatgt tgaatgaatg tctggctcag tgatggagag ccagggttcat ctttgnatc 420
tagggctctt cactcatgaa gcagactcct agtcctggag tgactgtnta cgagagcgtn 480
gttgtgtgtc tgtatgtgaa cgcatgcaag ctttgattca ccttcngggg ggctgataac 540
cctagtaaat ca 552
```

<210> 234

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 345673T6

<220>

<221> unsure

<222> 567

<223> a, t, c, g, or other

<400> 234

```
gtcggattaa cgttcaaagg actgagtccc aaacaaagag tcaagctacc ttttaagcat 60
ttcgtggggg ggggggagac cttttagggg ggagcatatt acagaagcaa gaaacaaaga 120
cagttattca actgagacat gcattacatc atttcttatt tttcaaggaa caacgtgttt 180
tatgatattga gatgatctgt ctagtgacct tgcagctgca cagctagaga aacagagtct 240
tcacaatgag tgggaaaggg agagagaagg ctcactagcc acagaaaaac aggaggttaa 300
ttttaaaagg ctcagctctt ttctcttctt caggggggag tgggttttct tacatataac 360
tgagtttttg cttacacatt ctttaatttc ttttaattcc tgttccacaa ggcatatta 420
acaatgataa gaataaataa ttgtgtggca gtttatgtag tgcattgtac atcagtgggt 480
tcattccatc ttataacaa cctcactact atccccattt tcacagatga gagaagactc 540
agaaattaag aggtttgaca cagaganggt acctggggca cagcaacagc cttctccaa 599
```

<210> 235

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PA-0020 US

<223> Incyte ID No: 2723202T6

<220>

<221> unsure

<222> 497

<223> a, t, c, g, or other

<400> 235

```
tttgataatg aggatattat aaatcatact ttaagcaaaa atctatgcat gatatatgta 60
agcagtaaca ttttgaagaa aaaagccatg aaagcattta cctaaaattt agtaacatcg 120
aaaaacacta gtttggtgcat agtaatgttg aaagcttcat aatacactag aatactggta 180
agtcttcagg tattgtaaga aaaacctggt acaggaaaag actaaaatta gacacatcca 240
tatccttaga tgtgcacatc atctagaaat aaatcccaca atgtagcagt gcactaagta 300
tcctttgttt ggcacttaac aatacagaca aacgtgtatt tggtttaacg tgattttatt 360
attccttagat acatttttagt tattttatat agataaaaaat atacaatatt gcttttcaaa 420
cttttaattt tataactgta taactgattg tatcatattc atgattaaaa agcctatttt 480
ccactaaaca atttatncag taacatgt 508
```

<210> 236

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3091058T6

<400> 236

```
agaactcagc aagcaccccc acttcctcca aagagtagtc aagtcccaca gcacagcccg 60
gagcagtagc tggtaaaaga caagggtctg gctggatccg gccaacatta caaggacaac 120
caactgggtc cattccttag tcttggtgctt ttaaaggcca gagcatgtgc caactatttt 180
aaagctccaa cacactaatt ctgtaaacaa taatagctac agcctgcaca ctgcgcactg 240
gaatggattc ctcaacttgg cctcatcact tatgcagctg atgaaacaaa cactgacagc 300
ttttttgcat ttgtaaaggc cccacagcag ctgtgggtgat cccaccatag agcaatgaat 360
taagcctgaa acccagctgg gtctgaacag aagccttttt tgcacaatac agcaagacta 420
tcattgttaa cctag 435
```

<210> 237

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2762254T6

<400> 237

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agctggaaaa aagtagtccc aaaacctaaa ttcaaaataa aactatgcaa cataatTTTT 60
gagttgacaa ctaggcttga tttagagaaa gtaaacatat tttcacctct atcattattc 120
ttttgaattt cttatgagat cgagaatgaa aatgtataat ggtacaatat tcttcatgtt 180
ataaactctt tctctactgt acagaaatat atcttataac tatatgtcac tttacagtat 240
ttaaaaatag tttcacataa tctcctttga tatatgaaag cacaaaatat tagaaatgtt 300
ctagactaat caagcgatat aacatctatt tgccatgaaa tgcaagttag tattttatca 360
atagccaata tttagtatcc ttgcactcca cagtacaaca ataaagatta tatatttgta 420
aagattcagt aatattttta gctatttggg tcatgcttca ctgcattttt tataacagct 480
totcaatgaa tttctgcca gcatatcgta gt 512
```

PA-0020 US

<210> 238
<211> 203
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1501582T6

<220>
<221> unsure
<222> 183
<223> a, t, c, g, or other

<400> 238
tacctgcagc acaaagcata cgtcttttct atacaaagcc aacaagcttc tgctcctttc 60
tgaagtcgtc ttgccaagc aggggtgttg gggcgggggt gaggatagg gtgaggggac 120
atattaccgc gttatgctct tacgtactaa ccttcacctt gacaaagctt gtcaacgaaa 180
acnaaaccag tcagagcctt ttc 203

<210> 239
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3282967T6

<220>
<221> unsure
<222> 275, 444, 446
<223> a, t, c, g, or other

<400> 239
ccttcatacg tggcatgcc caattccaaa gaaaaaaaaa gagggggata aagatcacat 60
ggagtatttc tggaaggatt cacaaggaag ttctcatcac tggctacact tttcaatttt 120
gagccatgtc agcctattac atatcttaaa aaactaaagg ccaacttcta agtagggagc 180
catggagggg cctcagctga gaagaatgaa gaggacatca ccgatgacct ggagctgctc 240
caagacgctg gccatactgg gggctgtgaa ctgangggcc gtggggggat gagctgtgag 300
tgaggctcat cctacccagg ccgggtgggg gccagctcc acccagggat atagctggag 360
gggcaggatg ctggcactgc agccgaccag tatctcccat tcacagtgtg ctgctggggc 420
atggcctgct tggccaggca cttngatc tcggagcttt ccttctcgtg gttctacca 480
aaaaacaagg ggagagagca caa 503

<210> 240
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1966576H1

<400> 240
gtctgaccct gcaccacttg gtgggtggaga tcaagggggt gcttgactg cagcacctgg 60

PA-0020 US

gccgagatca cagtgatggc atctgtttga atgtgctggg gacogtggct tttcggagcc 120
cagggatcca ggatgaaccc ccaaaagttc ggggtgagaa cttctcttgg tggaagggtga 180

<210> 241
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1859155T6

<400> 241
atgactcata ttacaataaa aaatgccatt caagaacttc caaatactat agtcacgaga 60
ataaaaaaga aactaaatct cttctaaatc atctttgtgc cactaccata tctgataata 120
tattccttct gtactcttga aacctatctc agaagtatct ttgacaaatt ataatgtag 180
aagaatttaa gaagttaatt aaaattatct taatataatt tctcctttat ttaataaca 240
aaataccagg gaaaaagttc cattttatct cctcagtaat tggctgccct tgatgtgtca 300
aatccagctc ttgagggcgt gttactttat caatatccaa agagtccatg ctggagggtg 360
cggaagtgat gctggaatgg gaggaattac taatagagtg tacttcagca tcaactactg 420
tgcctgctga cgcggttctt ctgtgctgat tagttactaa gggtttagta tcttctagta 480
cagattgctg agcagcctca tccatactca aagaggcctg ttctaactgt gcagtgcagt 540
cgtccaagga gtagctggca t 561

<210> 242
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2652949F6

<220>
<221> unsure
<222> 47
<223> a, t, c, g, or other

<400> 242
atttgagta tctgtaatct gtaatcatgc tgacgcttct cctttanctt ttaaaatttg 60
cagtggctga gaggactact aactagtaga cagagtttta acatcatatt tggatgaatgc 120
ccatattgta gtaaggtaag caaattgtta atcacatctc ataaaatgtg cctagctttc 180
agtaatatgt tctagaagat agatctatat agtatatcag tttatctaaa acttttgaaa 240
ctcattctct gtatttctat ttttcaaatt ctctgatcaa aaacattaaa ctcttttct 300
agatttccta ggtgatctga aacttcagaa gtgttttcca aactgtacta tgacactatt 360
ctatgacact atttctagta caaagcaatt ttatttttta gagtgtccac aaactttgtt 420
aaaatatgtt ctctttttaa aggccaaatta ccttaaaaaat ggtctgggaa ggaaacactg 480
aaataagaat acaacattcg ggtgaagagc 510

<210> 243
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte ID No: 2589371T6

<400> 243

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tctaaaatgg cagagatttc aggaaagtct aatcacactt gaccatgagt gttgagttgc 60
ttttccttcc tctgaggcca agagttactt atatccaaga ccgtgaagaa ctctttttga 120
cctgttggat atgatcttgt gactgggtcg agggaaatga actcccaggg ttgttggagt 180
agagctgttt ccaccaaag acagaactgt atgcagctaa taagagctcc agcacagtga 240
agatgagcat caccactagg acacctgtta aactgacact ggtagcagga caatctttga 300
tttcatatat tggataatag tactccgaat aaggcaatga ggatagataa tccatttctg 360
agccacaatg ttgagaggca gtcctcaggg ctaccatgct gtcagcaagg aggaagaggc 420
ctgctcctgc agtaacagaa ctactgcat ttgaggtcaa gctgctcagg tcaaagggct 480
tagttgattg ttttccagag ataattgaga gggatccagt aatgccaaaa cacagagctc 540
ctaaaaatgg gtaccagac atcaaagtgg tggaaattgc tggattgaag tgggaggggt 600
agggagcaaa aaccaagatg ggcccccaga cttgaaatca ac 642

```

<210> 244

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1714938T6

<220>

<221> unsure

<222> 390, 435, 522, 546

<223> a, t, c, g, or other

<400> 244

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taaagagttg tgctattcaa caaataaaact tcctcttccg tttcttctct ctctcatct 60
gtgagattca gttgaacatt attgaagcgg ggtcttggtt tgccgtctgg gccatatgcc 120
ggaggatata tttttttgtt ataatgccaa ggagggccca ttgtgagtta caaggcactg 180
cctcagtcctc agcttttcgga aaatatccac cacgatctcc attgggggtg ggtctgtcac 240
tgtaaaaggg ctcattgtcaa gaatgcttcg aagcttcaat ggccgaggac tttctgctgg 300
aagagatggg gtgtgctgtg caaaacacac ccgagaactg ccaacgatac cttcttgttt 360
tttcttgcca ctttctattg caattgtcan gtctcttctg agggcaaata ccactaatct 420
ctgagattct tttgncatta tgacaggaaa tccattgtag ctggtttcat taatcatgtt 480
ttctatatca tccactggtc atattgtcct gtgtcaggac anctaattgga ggatcattcc 540
ttcgangtct cataacgt 558

```

<210> 245

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2641714T6

<400> 245

```

aatgtcatca acaagtaaat gggtaaatga attgtggtat atccatacaa gggaatatcc 60
aacatttaaa agaattgaatt catacagaca tcaagatgga gacatatgaa tctcaaaata 120
attatgcaaa gtgaaagaag ccagacaaaa aaaaaagaca tactatatga ttccattcac 180
ataaaactac aaaatgcaaa atgaaagccg attggagggt ttctggggag gagtcatcag 240
gaggagcatt gtgacacttt gagggatgat ggatatgttc actctcttaa ttgtagtatg 300

```

PA-0020 US

catgttctcc acaaggtgtg aaaacttatt aaatagtaca ctttaaatat gttcagttta 360
ttttatgtta attatatctc aataaagctt ttaacaaaag caaacatctc ttgcctacat 420
aaggatgaca cagctcttaa aaaaaaaaaa agattcctgc tagatttgtg gcagcaaaat 480

<210> 246
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2842285T6

<220>
<221> unsure
<222> 22, 172, 401, 413, 423, 430
<223> a, t, c, g, or other

<400> 246
tataacattt ttggcttggtc anaccagtaa atcatgtttt tccactggac aaaggaagct 60
gaagaaacaa ctgttgaaca aactaaatgc tgtgacatga agcatctgac ttctaagtct 120
gagtatttag ttaaaatgat tgggtgaacat ttaactgggc aaaaggaatg gnatccatca 180
tccaaacagg ctcaactccc ccagccccc aaatgaacag tagttttaat agcaaaagat 240
ataaaaagtt tttttctttt gattcttttag agccaactgt gaaagaggtc agcaatacat 300
taacagcagc aatggacaag gaagagcaaa atagaggatt aaagtatctt gctggacggt 360
tggtcatctt tttctgtatt agcctgaaaa ctgcaactgg nttatggaaa ttnccggtgc 420
atntgtctcn ttagat 436

<210> 247
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1376538T6

<400> 247
gaactgcaca ctacttcagt ggaaaaaagt tcaatattgt gcaattttct gcctcttaat 60
agttaaaaag tggcagcaat ccctgcattt gtgtttgaaa caaggatctg agaaacttta 120
tcaaaaaagg taatgaaggc aaaaattggc agacatccag catcttggtt ctttttaaaa 180
caatgtggat gataagtaat ttcattgatta aaaatgaatc ttttaataa atacattgta 240
tctgacattt gcactgactg atttgataaa tctttaagta aacaacggct ttactacact 300
ccctgtagct caagccact 319

<210> 248
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 154741T6

<220>
<221> unsure

<222> 224, 227, 229, 384, 611

<223> a, t, c, g, or other

<400> 248

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catatgttat ttcctgtggt agtgcagcct cggggcaagg gcgcgttccc tatcgagga 60
tcacttgcta tggtaagccg cccaccctgc gcgctcctcc gcgcggggaa gaacctgcgc 120
ggcaggacgt ggtgttgag ttggggcgcc cggagcgtgg agtggggaga cctgatgcag 180
agagtctgga gtcggagctg ggggtgctgc aggtaggagc aggntcngng cggagagga 240
ggcccgaaga agacccaca caggttggcg cacggggctt ggggaggett cagcccagaa 300
gtggagaggg ttgacagacg cctgcctgat tagaaaaagc cgggagcttg ggaaggagac 360
gggattgaag aagccaccgc gcanggagc cgaacggccc agagctctcc gggtaaaacc 420
cgccctgcgt gatctgggaa gtgtgtctcc acctagccct gcgagcagcg gccttctcc 480
cgcccgttag aaggcgctg tgctggagta cgaacccggc ccagagaagc cactgcctcc 540
tctttgtcac ttaaaaccct gtcccgaacg cggatctcac gtctagaact ctgtctttaa 600
agcggatgta nagcgcgttc taaccgttcc ctaaccattg t 641

```

<210> 249

<211> 199

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1502915T6

<220>

<221> unsure

<222> 161, 173, 185

<223> a, t, c, g, or other

<400> 249

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tatcattttc aagcccttac ttgtctactt ccactgttgc ccataagtat cctgataaaa 60
ttcctggttg tcattattgt aaccatagtt accagaatag tcaccacctt gctgaagcgg 120
ctgctgagcg atgggttggg aacccagtt ctgttggttg ntggtctgac gangcttgga 180
atcangctgg ttgtaccca 199

```

<210> 250

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1488759T6

<220>

<221> unsure

<222> 29, 76, 119, 126, 140, 146, 187, 194-195, 263, 282

<223> a, t, c, g, or other

<400> 250

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ggggaacaca cagaaatgga tcggaacana atggagagag acggaggcgc tgtaactaca 60
gcaacctaca cgccangtat ctoggaggag caggctcctg cacacgcggg ctctgtgana 120
ccaganggtc tatttggtcn caatantgaa gggcatctag aattagctac agtaaggaa 180
cgaaagntgc ctgnngaagc ggcacagaa cggctgcgtcc gaaaatggcc tgtcacttgg 240
gaggggtggag ctgctgggtc ttctgttga ccactgtctt gnaaaaagtg cacagggg 298

```

PA-0020 US

<210> 251
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 393928T6

<220>
<221> unsure
<222> 539
<223> a, t, c, g, or other

<400> 251
atgctgagca atattttacat ctccaaatat cagggtcacaa tccctattat acgttgaagt 60
tagaatgata aattatcata tgctttgcat atcagagctg gtatcacctt tcccataggg 120
aatgctgcct gaaattaaca tattcccaaa ggtaaaatgc atattctctg aaatgcattt 180
tattatgaca atggcatgta ttactcata aaaacaataa acacagacaa ttctacacta 240
gctctcaatc tgtggattta aaatttcagg ttaaaatcag ccatccacct tgtataggga 300
gaagagtctt gctagtgttt acaataaagt gattccttgg gattagaaat agtaatgctg 360
tttttttatt ttgaagtggg ttctacttat gattgggttt aattctggca ttctatcttg 420
ccaactacta tcctgtttta gcaatgttgt cagctaaaag gaatttctga ttaaaactaaa 480
gtggtccagt gataagtaca tacacaccct actttgaata atcccagcca attggagana 540
atgctaccac accttattaa ctaatgtaat aaatctccca ttcatgggtc ttttgct 597

<210> 252
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2219992T6

<400> 252
atcataaaat agaacgggag tttcaaaact gtacaagcca caaggctctg ggctggtagg 60
aaagaagggt ggggtcgagg gtcccagggt gtcggggggt gggagatgca gagagagcta 120
gagggtcacc cggcatctgt gaggacggct ggggtcaaggc cataagctgg gatctgtaca 180
agggaaacat tcatcagaat gtgacccacc tgaaacagga gggaggaaaa tctttaaaag 240
tcttacaggt aagggtccct gccccgaaaa aaaaaaacg tcaaaataat aagggggtaa 300
tgtacatttc tcaccagtc ttggcaccaa ttttgtgctt taataaatat actccactgt 360
aagatttact taataaaaag tactctacag cagctgttta aaacataatt cttacagaca 420
aatatatata tatgtatgta tatatattaa acatttttaa caaataaagt catctattgt 480
acctgtgcag aaat 494

<210> 253
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2816984T6

<220>

PA-0020 US

<221> unsure
<222> 421, 497
<223> a, t, c, g, or other

<400> 253
actgatcaca gctattaaat aacaatgcac caaagtttta caatatttga acatctgcaa 60
atgtagagct ttctggtagt acacaaattt gaatacaaat ggaagttcat tgaatattag 120
gtttatcagt aagctagggg aaacaaatta catacattgt ataggtagta acctatgaaa 180
aaagtggaga ttaggtaaaa attattaagt gaaattattc atatgctttc agtttcatct 240
ttctcctggg aaagcccaa aacaggcctc tggaaaacca attcataca tgtacaaaat 300
ggcatctgct ctcaaataga tatagctttc cttcaatggg agataagtca cagacgtatc 360
tcagacattc atttcatgca taaggatttt tgagacatct attccactga aatattataa 420
nggagtctac aaccactcta ggaaaaaggc acttcactgt gaaagttgga ttttaattacg 480
tcaagtgtga gctaggntag actcaaaatt cagtattcat t 521

<210> 254
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 452209T7

<220>
<221> unsure
<222> 178
<223> a, t, c, g, or other

<400> 254
ccatagaaga atggtaatgt tgtatcagtg catgttctat ggaaaattca tatctcaagt 60
aactagccta gaaatcagag acagcactat gtcaagctag tatacaaggt caaagacaca 120
atgctgccaa tgcaattagt atatagaaat aatacgcac tgtagaaaa agtctgtngc 180
caagtggata aaacagtagc agtgcactgc actgacatcc agaacagaaa atagggaagg 240
accagagaat gcacttctct caaaaaaaaa gtccagtaga tcacaagcac aaagagttcc 300
caactgtctc accagctctc taactcatgt gtacctgcac cttcctcttg aaatctgaac 360
attataatac cacaagccac tttcagcctc cagtgggaag gctccagcca cagccgata 420
tttcgtcctg cttcccgctc tctcatatct aaaagtcatg gcttaagt 468

<210> 255
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 638749H1

<220>
<221> unsure
<222> 169, 195, 199, 231, 248
<223> a, t, c, g, or other

<400> 255
atccgatttg cagtctggag cagtggctgg atttaagttg ctctggatcc ttctgttggc 60
cacccttgtg gggctgctgc tccagcggct tgcagctaga ctgggagtg ttactgggct 120

PA-0020 US

gcaccttgct gaagtatgtc accgtcagta tcccaaggct ccacgagtna tcctgtggct 180
gatgggtggag ttggntatna tcggctcaga catgcaagaa gtcattggct nagccattgc 240
tatcaatntt ctgtctgtag g 261

<210> 256
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 640841T6

<220>
<221> unsure
<222> 117
<223> a, t, c, g, or other

<400> 256
ttcttttcac attaaacatt gtttaccaca atcagctaac agaaattact gtaacattgg 60
tcacgatgac ttcataaaac taaagataaa tggtatgagg aaacttcatt taacgtnaat 120
ggtaatgtta gatactgtat ttttccatgg taaaatacaa cttatcttga agagaaaagca 180
aatagttcag atcaggggaga catgctgagg ttttaataaa gaaaagcttg gccttggtcca 240
gaacacttaa caaagtccag gacaatttag gtaaaagaga tgagtggagc accagcggtta 300
ggcaggggaca taggtctatc attcaggctt tatgtacatt actggatcta tgcagctctc 360
accttttagat aagtggagta tatttttggc agagggatct tcaaaagtag ccttggatat 420
gaggaatcgt attttaacca ccaggcagtc caaggaatta tttttaaaag gacagctgag 480
tatttcacgt atatactatt aaggcatcta aatttttggg gttttcagta tataatttta 540
ctgctacttt ttattctttt ttttcatatt gtacaactat gatattaggt ttaagcgacg 600
taattctttc tctactagtg gaccagttta tttc 634

<210> 257
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 740878T6

<220>
<221> unsure
<222> 211, 214, 218, 292-294, 299
<223> a, t, c, g, or other

<400> 257
aagtacacag aaccaggcac ttctgggaaa cttgtcttct catccctttg ccctcccttc 60
ctcccccttt agtaaagctg gttgggcaca tttgctagga tctgtgggtt tcatcacttc 120
aagccttact gcttaaaaaa atgaggttaag aaatttctat cggaaaagtg aaactgacac 180
ataaaccaaa ccaaggtctt ccctggctgc ngcngcancg ttattgctct aagttggagt 240
gttctgtttg cttttattat gtattcggag tccttattgc cattctggct gnnntcgtng 300
ttggccaagg agaaatgatg gggaaggagc tcggtcgcct gctcccagct gctcagtcct 360
aactttctgc ccgcatgcgg ccgctcctac ccttgctggg agccagctct ggttctgggg 420
ccccaggcg gctctaacac tgggagaggt ggtg 454

<210> 258

PA-0020 US

<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 779073T6

<220>
<221> unsure
<222> 158, 315, 439, 506
<223> a, t, c, g, or other

<400> 258
gcagaaaata attttgtaaa ctgtcacttc gcgggcaggg aggatcgatg ccacgtgggc 60
cccagctcac ccgggtggag gctgggagct gaaaccgaac ccaggcagga gatgggcgac 120
ggcggagggtg caaggcaggg caccggcgac aagacgangg cggccgggcg ggggtggatta 180
gaggtcactc tcgccgtaca gcgccgtgga gaaggacatg tagtccagag cacctggcac 240
ggagtcgggg ccggtgtagg gggccatccg cgcgatgcag tactcagcct ggtcgggtgg 300
cagctcgcgg cgcantcgtc catggtaatg tagttcttgt ccccagccag gatcttgaag 360
gaagccatga cttggtctgc tgtatctgtg tcggctgtct cgcgggacat gaagtcaatg 420
aaggcctgga atgtcatanc ccccaggcgg ttgggtcca aatgctcatg atgcgggcaa 480
attctgcttc tcctgggggt cttgcnatat cataacca 519

<210> 259
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1445310F6

<400> 259
gagaagaagt ccctcaacca gagcctggcc gagtggaagc tcttcatcta caacccgacc 60
accggagaat tcctggggcg caccgccaag agctggggtt tgatcttgct cttctaccta 120
gttttttatg ggttcctggc tgcaactcttc tcattcacga tgtgggttat gcttcagact 180
ctcaacgatg aggttccaaa ataccgtgac cagattccta gccaggact catggttttt 240
ccaaaaccag tgaccgcatt ggaatatata ttcagtaggt ctgatccaac ttcgtatgca 300
gggtacattg aagaccttaa gaagtttcta aaaccatata ctttagaaga acagaagaac 360
tcacagtctg tcctgatgga gcactttttg aacagaaggg tccagtttat gttgcatgtc 420
agtttcctat ttcattactt caagcatgca gtggtatgaa tgat 464

<210> 260
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1806435T6

<220>
<221> unsure
<222> 487, 502
<223> a, t, c, g, or other

<400> 260

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ggaggtgcag ggcagcgctc aggccttgct cagtttcttc ttgatgaagt agctcaccag 60
ccgctgcggc ctctgctggt actcgctgag cacattgcga gggctgctga tctgggtccc 120
ttccaggcgg ttcaggaggg tgacacacac cacggccgct tggaggccgc agggctgcac 180
atggcggcaa acaccgagga ctccatctcg atattgcgga cgccggctgc ataggctgcc 240
tccagatacg cctgcttgct cttctccgtg taggagcaga gagccccatc cagacggcct 300
tgcccttcat agaagtccaa ggtgcacatg gtgttcccaa ccactgtggt gaactcgctc 360
agctctgcag aacacagcaa cagctcctgc accagcttct tgtaagggtc cgttttccgg 420
atgacccgct tccccaggac aatctgctca aactctgcct tgaagcagggt atccactgcc 480
tgctctntta tgaacaaagt gnggggctca aga 513

```

<210> 261

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1859340T6

<220>

<221> unsure

<222> 263

<223> a, t, c, g, or other

<400> 261

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caatatacaa tttctgttaa atacaactgt taagggattc tgagaacaat tataagatta 60
ttataatata tacaaactaa cttctgaaat gacatgggtg tttccttccc accctcctac 120
cctctcaaag agtttttgca tttgctgttc ctgggtgcaa aaggcaaaaag aaaatctaaa 180
aatagtctgt gtgtgtccac gacatgctcg ctcccttgag aatctcaaac agccagaacc 240
atcccgtccc acggactgcc agncgccagg acggcttccc ggtgcctctt tctcgaccat 300
tttcaactaa aagcactgtg agtagaatta gctgtgccgt tgctgccaca agggaggcag 360
cctggtcaag aggcgtgggt tgggatgcaa taaggccact gcttcttggc cactttcctg 420
gacattttca atcctgcctt tcctgggtcc tcggagcagc tggtcaggat gggcttccca 480
ctcagtc 487

```

<210> 262

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1889671T6

<220>

<221> unsure

<222> 376

<223> a, t, c, g, or other

<400> 262

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caaataaaaa ttaagctaca atatatagcc tgaataaaaa tgactagaac aaatacaaca 60
caggacttgc tttcttgcat tagtcacaaa gcatgtgaca atctagaaaa cttcaaaaatc 120
aattacattt ctttgaaaaa ggggtaacag cagttactga tacatcacia ctaataaaact 180
tataatacaa gtttcctgac atgcatttcc tgagtgaacc caaatgatca ttttttaaaa 240
caagggaagt tcgacagttg aagtaaaata aaataattca tggcttctaa gcaacaagtt 300

```

PA-0020 US

ttgtttttta aaaacccaaa gaaaattcag aacagttttg taataggata aattaaaggt 360
atgctaccac atatanaact ttgctacagt cagttaagta ttatacaact tttcaaacta 420
aaggaa 426

<210> 263
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1908860T6

<400> 263
ttcaatttct cccacgtcaa gagaaaagcc aacatgcttt tcctccaatg cataaaagga 60
acttccatag ggctggcagg agtcaggctg ttcaagacaa ctggaaggag ttgaataaca 120
tctatccagt gagtcttgca agacttcagg ctctactacc tccagcagct ccctgctgag 180
cctggggcat ggtgggcctt ggtcttcttc ctcttcttgg tcctttttta ttctgtccac 240
gtcaagagcc aagccaaggt actgttcctc caatgagtaa acagcactgc tgtagggctg 300
gcctaagtca ggcagttcaa gataacctga aggagtcgaa taacatctac ccagtgagtc 360
ctgcaagact tcaaggctct ttctcatcca gcagctccct gctgaagcct ggggcatgat 420
g 421

<210> 264
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2447337F6

<220>
<221> unsure
<222> 87
<223> a, t, c, g, or other

<400> 264
ctgcctggg ctgtttcccg gcttcatttc tcccgaactca gcttcccacc ctgggctttc 60
cgagggtgctt tcgccgctgt ccccaactgc gcagccatga tctcctttaa cggacacgca 120
gaaaattgga atgggattaa caggatttgg agtggttttc ctgttctttg gaaatgattc 180
tcttttttga acaaagcact aactgggcta ttggaaatgg tttt 224

<210> 265
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2452210T6

<220>
<221> unsure
<222> 465, 503, 515
<223> a, t, c, g, or other

<400> 265

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aaccaaactt atcaagcctg tgcttaaaca ccttaggaaa aaagacgtcc cactttctgc 60
accagggcct ctacagcacc agaactgcct ttccccagc tgaggcctaa ggggcagtag 120
cccttctgca cagggcctag gggaagggtc tcagcaggag gtgggtcagt ccatatgccc 180
cagggagcag aagcagctcc gtcgggcagg aagggtgatg gtgagcagat aggacaggac 240
gcagtccag aaqtgctcag gggcaaggca ggggaatgtg gtccctcctc tgcccagacc 300
ctctgacctc tgagcagggc ctgtcatgcc tctgggtgct agagcagaga cccaggcagc 360
agcagcatgg ggtggccaat ggggcgggtt ccacaggatg ggagataggg cctcccgtgc 420
cctgactccc tgagggtctg gtcagtcgag atgggtaaac tggtngccga actgccgggc 480
atcgtaaagt ctgtagcgct ttnacgtgga tgcgngcgga cacggtcccg cagtttcaaa 540
ggtctcctca tc                                     552

```

<210> 266

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2497145T6

<220>

<221> unsure

<222> 235, 257, 327

<223> a, t, c, g, or other

<400> 266

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tgctaattag gcaacctgtt taagcagcta ccaaaaatga aaggcaagaa atgaaaggag 60
gacaaattat tggtttaaag ctatgatagt cttttgaaac gatgagtaag ttctctgagt 120
catggcagca tgatttaaag ttgaatttag aatcaatgaa ggaggagtcg atccactttc 180
cagtcctggc ttccatcagc attgtccttt ttaagaaata aggtggctgg aaggnccctc 240
agaagattct tcttcctctt ttgttcaggc atataggacc atggcttccc acacttgtgt 300
aaacttctct ttgctgacag tgttgangat aatgtgattt gatcatactg tgtgcccctt 360
taaattgtcta aaact                                     375

```

<210> 267

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2612839T6

<220>

<221> unsure

<222> 97, 103

<223> a, t, c, g, or other

<400> 267

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caaagtttta tgaccagaa tgaaacaaaa caaaacattg gtgttattga gggaattaaa 60
tctaacattg agagaaatgt ggatttaaga aatatgntat ttnaaaagta tgttacagta 120
ttaacatctg gcaatatata atctattcag tcctttctag ccatttggtg gcaagaaata 180
ataattaaat tttttattaa aacaaaactt tttacattgg gagttattaa gagcgctcc 240
ttttggtgta ttcgtttaca aataaaaaatg aaatatattt ttgcattttt attgtgcttt 300
atgttggttg ctttatgttg ttctcttggtg cttacttccg agttggagat gggaaagtgc 360

```

```

ccaatgaaag aaatataaaa gaataactaat tggaagctga acaattatTT tgctttataa 420
gggaagtcct gcaaagtttg tcatacagtt acgtcactat aaacccaaat acaatccatt 480
tcacttttcc atttgaagac ttggaatgta tcatcatc 518

```

```

<210> 268
<211> 318
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<223> Incyte ID No: 508735T6

```

```

<220>
<221> unsure
<222> 116, 313
<223> a, t, c, g, or other

```

```

<400> 268
tttatttcat tacaggattg acttttagcta ttaatgtaag cataccaggt gaggggtgggg 60
ggtagaggga cttgcccatt ttactaggac aggaatgctc tttaagcagc atgganggaa 120
cattaactga cgtttgtggt gtgcgtagga agatcattct gttcactttc gtgtcctctt 180
tttagcctcc actgagcttc agcaagtcac cctgatctcc gtgggaacat tttcgttgct 240
gtcggtgctg gcaggagcct gtttcttcct ggtccaaagg atgacgtctg ggactctgtg 300
tccattatct cgnttccg 318

```

```

<210> 269
<211> 566
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 1737578T6

```

```

<220>
<221> unsure
<222> 299
<223> a, t, c, g, or other

```

```

<400> 269
tcagtagcag gtgccgtcca cctccgccat gacaacagac acattgacat ggggtgggttt 60
acccgccaag cggtcgatgg tcttctgtgt gaaggccagc ggcagggcct cgtggcccac 120
catgcaggag aaggtgtccc ctttcttcca gtccctcggt gccacgcgca gtatgctggt 180
cacagcgaag gtggtggtgc cctggtctgg ctccctgccg gatgcccag tcaggtactt 240
ctcgcggggc agtcctgtg acccctgcag ccagcgaacc agcacgtcct tggggctgna 300
gccgcgtgcc aggcacgtca gcgtcaccag ctogttcagg gccagtcct ccgacggcgg 360
cggcagcagg tggacctcgg gccggaatgt gtttccggat tttgagaggg tggcggttag 420
cggggtcttg gactcggggt aggcagcagt gcaagtgaag gtcttcccat ggttccatgg 480
ctcggcacag cccggcagga cactggacac gctgtagcag ccacagaggt cacgctcagg 540
tggtcttgaa cagcgtcttt cccact 566

```

```

<210> 270
<211> 453
<212> DNA
<213> Homo sapiens

```

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 1865070T6

<220>

<221> unsure .

<222> 274, 447

<223> a, t, c, g, or other

<400> 270

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tgctcatttg atataaacat ctaattccaa gagagaccag tgctcaaata tagttttttc 60
agctaccatt tgatacggcc ataaatttgg atgggccatg ttacaatcct tccacaattc 120
tccacttaaa gacatcattt ttctatgttt ttaatgacta ttgccatcta acaattctac 180
aattcgccctc ttgacctgta aaaaggccaa ctctacgtcc acctgtgtct catattgcta 240
tcttttattt atctctgctt aagattgcaa aagnttttga ttttattatt cacctgaaca 300
atgtattgca attccaatac acccccatct cttgctgtta tctacagctt gtgacaaaat 360
gaacaccttg tagaaatata ctactggttg ggttcccaag tctatgacac tatgagagaa 420
gcattgctga tggattgacg aggagancac cag 453
```

<210> 271

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2238605T6

<220>

<221> unsure

<222> 2-3, 6, 8, 19, 34, 131, 171, 192, 212, 214, 220, 304, 314

<223> a, t, c, g, or other

<400> 271

```
annngngnca gcagtgggnt gaaaccccc gaanggcata gaggcagctg ggcagcccc 60
caggcccttg agggtaggag caggggagaag cagcagaagg aggtgatgcc cctgccgctc 120
ctcccaaggc nagccccgct cccacgctcc catgccaggg aggggtcagg ngccagaaaa 180
ggccctacat cnttgagtgg ggcccagagt tncnggcaan ctgtctgtca tcccaaggcc 240
tggaactctg cagaggcgct tttccacac ggtggctccc agggccgatt gcttggtcaa 300
gganccagat atantcttaa gacatgatgt g 331
```

<210> 272

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2448222T6

<220>

<221> unsure

<222> 33, 229, 350

<223> a, t, c, g, or other

<400> 272

PA-0020 US

```
atttactttg ttttactgta atttacacaa ganactggca agtaaactag gtatttttaca 60
ttcaccacac attccctcaa atctccacag ttgttagaaa aacattaaaa tccatgcgcc 120
gggctctcat ttccatgtgc gcctaagctc ccaatgatac tacagatgcc agcgagagtt 180
aagttcatta aaaggagagg gctagactct ttatttcaca aaattagcna taatcttcct 240
cgcaccaaac actttgcaga caatgattat gctctgacaa aacctatctt acaacagtgc 300
ccagagagta aacatcagtc tttatcctga gtacacaaaag gatgtatgan atgtggggtt 360
tgttgctgag gataacaggg tattgcaatg cagtagtgat cctacacatc 410
```

<210> 273

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2453340H1

<400> 273

```
gttgctgctc ctgctagtag tccgggctgt gggggctcgg gcggatattc agtcatgaaa 60
tcagggtagg gacttctccc gcagcgacgc ggctggcaag actgtttgtg ttgcgggggc 120
cggacttcaa ggtgatttta caacgagatg ctgctctcca tagggatgct catgctgtca 180
gccacacaag tctacaccat cttgactgtc cagctctttg cattcttaa 229
```

<210> 274

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2474214T6

<400> 274

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ttctcacaaa acatattaca aatgacagca tgaaaaaaaa atcttgacac gtaactcaaa 60
gttcggctct acaatgtacc cttaaactgg caggacattt ttgaaatcac aaatttgac 120
ataaagaatg tcacgaacag ccatgtatcc atatacagca atcaaataag gaacttatga 180
cctaaagcaa aggtaaactt tcttgaaact taacattcta taccaactag gcaacctctg 240
cccaggatga gagttggatt tttcaaaaac ctctaattta atagtgcagc atttcgtttt 300
ccctgatggc ctgtgtttca cagcagtttt taaagactgc ttgttcaact atagctgcag 360
cctatatccc agctatggaa aaaaaagtaa atcttagttc aatttttgcc agttgtttct 420
gtattttaat ttaaaaaaaaa acacacttcc gctgggcagg tttagagggt attatcagtc 480
tgtgcataac taaaagttca aagcaaatc aattttgctt aagggaacat tgtaaagtaa 540
caattcttgg gattacatgc ctcgtat 567
```

<210> 275

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2645695T6

<220>

<221> unsure

<222> 20, 139, 218

PA-0020 US

<223> a, t, c, g, or other

<400> 275

```
atttgcaaat gacagagagn gagaaaggct tcagacgcaa aggactttta ataagttacc 60
ttttgaagat gagacaagac aggttctaag ctaatcagac gtgtccacca ggtggacctg 120
cgctcttttc acaggtagn gttcctgatg tactctcggt acatggagga gtcctctttt 180
cctaggggct gcatgatacc ttggctggcc tggatgtngg cttggaagat ctctgtagat 240
tttctgtcta ctctttgggg ctgaacttca tagatgttat 280
```

<210> 276

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2716582T6

<220>

<221> unsure

<222> 18

<223> a, t, c, g, or other

<400> 276

```
ggacatacaa cagcccnnga cacacagcat agcagggcct cgataatgag ataatttccc 60
cccacgtctt gagaagaaga atactatgta tttctttatg aacactatta aaaaaataa 120
accctcaca acattctgca ggacctagag cccaagagaa cccactgaag atccatcatc 180
tgtgggatgg cggaggcagt ctctggggag caggagggaa tgtgcacagc caggggagggc 240
tgcagcagcc ttgcctctgc cgtgaatgac aggcagtgac aagcagcaat aagggaacag 300
aggggggtggc agcagtgttt ggcagctctt cagcaatctt aatcataaat tcgggtagga 360
tccagttggt ggcattgccg ggggggcaca gaggtggtag cagctttcac ctccttgggg 420
gtgggagagt tccctctggt tggagaggga gaagaggggc aatgcagagg aaggagcgag 480
ggagcacagg ctgtcttaca atcttgacga tctcagctgg accacagccg cagcgtcatg 540
agcagattaa acccgggcac tttcaggag 569
```

<210> 277

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3141568T6

<220>

<221> unsure

<222> 161, 185, 199-200, 215, 217, 226, 230, 242, 246-248, 253

<223> a, t, c, g, or other

<400> 277

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cagtgcattt ttgcaaacaa taacaattca ctgagagtaa taacattcac atatgtaatt 60
agagtttaaa aatgtaaaaa acttagggta acaaacactt taaacttatt ttttagacat 120
tcaataagcc cattctccca caaactgttt gattacaaag nagcacaatg ggtaaactgt 180
ggcanaacat aagaaatann gcagggggagg cagananaga cttganaacn taaggctatc 240
cnaacnnntt tgncaatatc 260
```

PA-0020 US

<210> 278
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 510540T6

<220>
<221> unsure
<222> 29, 220-221, 227, 229, 236, 260, 265, 268, 272, 293-294, 310, 317, 325
<223> a, t, c, g, or other

<400> 278
atttgaatct aatagatcat tathtagnt tatactctgt gaatatatat atgatattgt 60
atttaattaa tatctgagta atctcaatta ccattttcta ggaaggatag agtgtaagag 120
ctaaacattt catgtagaaa tattaacttt caaaagttat aataccagag ttttagagtg 180
aaggagtatt taaaatgtgt ctttctttgg gagagaatcn ntttgtncnt tactgncaat 240
aatttgaaaa ttggttaattn aatanctngt gnatatggcc aatattatgg tanngattag 300
cttctaggan aagttangtg tagcntgatt 330

<210> 279
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1285830H1

<400> 279
cccaattgga acctgggatc aagtggccga ggtcctgagc tggcagttct cctccaccac 60
ca 62

<210> 280
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1532801T6

<220>
<221> unsure
<222> 193
<223> a, t, c, g, or other

<400> 280
cttcactgcc ccggtctggc ccaaggggtca ggaagatgga ttcataacctg ctgatgtggg 60
gactgctcac gtcatcatg gtgcctggct gccaggcaga gctctgtgac gatgaccgcg 120
cagagatccc acacgccaca ttcaaagcca tggcctacaa ggaaggaacc atgttgaact 180
gtgaatgcaa ganaggtttc cgcagaataa aaagcgggtc atctatatgc tctgtacagg 240
aaactctagc cactcgtcct ggggacaacc aatgtcaatg cacaagctct gccactcgga 300
acacaaacga aacaagtgc a 321

PA-0020 US

<210> 281
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1747756T6

<220>
<221> unsure
<222> 225-226, 241
<223> a, t, c, g, or other

<400> 281
tataaatatt cagtgtacag gagtggctct caccacaccc agtgaggatt ggatgaacta 60
ggctaaaagg aagggataac tggccaagaa agggacatct atgtgaaagt gaaactgaga 120
cagtgtctggc cacaggtcat gctgcagaat aatacattcc caggcactgt cacgtggggg 180
acccaaaagg ccccaagagt gacctataac ctctccagaa gaccnntctg tgtggcatca 240
nagtccacca cagtttaagg aaatatattag gacttaacaa tc 282

<210> 282
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 032467H1

<220>
<221> unsure
<222> 26, 211
<223> a, t, c, g, or other

<400> 282
aaagaaactg tctaacgcac caaggntctt aaagaaacgt agttctatta cagagccaga 60
gggtcctaata gggccaaata ttcagaagct tttatatcag aggaccacca tagcgccat 120
ggagaccatc tctgtcccat cataccatc caagtcagct tctgtgactg ccagctcaga 180
aagcccagta gaaatccaga atccatattt ncatgtggag cccgaaaagg aggtggtctc 240
tctggttcct gaatca 256

<210> 283
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 511038T6

<220>
<221> unsure
<222> 349
<223> a, t, c, g, or other

<400> 283
acactgaagt gtgcaaggat taaccagacg tgggtgaggtg ttgcacagaa attcctacac 60
caccatggac agcaagactt ctgtcccctt tcatttcaga ctggactttg gcatgggtctg 120
ggtttggtcg ttaaggtctg gttcaagatg aggcctcaca gagagcagat caaatcaaac 180
caaccatctg gtcaatctgt cgcattgtaga tgctctttaa gggcaggag tacctcctct 240
catcaggtag acgattgcag ttggagctgg agttgatgac ttttaactca tgagggtttcg 300
gcctgtgcac agactttccc ctttggtcct gccctccctc ttcagagang aattccttcc 360
atgggcacaa t 371

<210> 284
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1383823T6

<220>
<221> unsure
<222> 548, 550
<223> a, t, c, g, or other

<400> 284
gctgggggtgc tggagtggga aggggaatcc aaggagcaaa ccaagaaggt cctagggcca 60
gcctaggcct ccacggcccg gccgttgatg acgcggatgt ggcggatgac gtcctggatg 120
gcttcagatg ttgtgccctg gccccgatg tccggagtgt gcatattctc attgtccatg 180
gatgccagga cagccttacg gatggaggtg gcataggagt gcagcttgag gtggtccagc 240
atcatgcagc tggccagcag ggtggccgtg ggggtggcga tgttcttatt ggcgatactc 300
ttgccgtgtg tcctcgtagc tgtttcaaac accgcgtaca catggccata gttggcccca 360
gccacaaggc ctggggcccc gaccagtccc ggcgagacat tgttgacgat gttgccatag 420
agattgggca tcaccatgac atcaaactgc tggggccggg acaccagctg catggtggtg 480
ttatccacaa tcatgttctc gaaggtgatc tgaaggtagc gggctgccac ctccctgcaa 540
cactggangn aaaagccatc gccagtttc atgatgt 577

<210> 285
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1517291F6

<220>
<221> unsure
<222> 297
<223> a, t, c, g, or other

<400> 285
ggcatgacca cgtccagtga agacatttga ggcagcacat ctcaggaccc aggcaataga 60
ctggcccca ctcaggctgg actaagggtg gattaattct ttgttttttg tgtggaacag 120
ctcaccttgt cagacagcct cagggcatct ctgagacaca ggggcagaaa atgacattca 180
tcttttgagt cctcatccat ggagtgtgtg gtttgggggg ctgcatctgc tgaagcgaga 240
acccattct gccacccac caggatgcc attctccagg attctccaac ttactantag 300
actaaaccag aacaagcaac aaactgtatt tatgcaagca aaattgatga gaaaattata 360

ttcaa

365

<210> 286
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1862017H1

<220>
 <221> unsure
 <222> 110
 <223> a, t, c, g, or other

<400> 286
 ggaaggaatg attgcatcat cgataaaatt cgaagaaaaa actgcccagc atgccgctat 60
 cgaaaatgtc ttcaggctgg aatgaacctg gaagctcgaa aaacaaagan aaaaataaaa 120
 ggaattcagc aggccactac aggagtctca caagaaacct ctgaaaatcc tggtacaaca 180
 acaatagtcc ctgcaacggt accaca 206

<210> 287
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1922735T6

<220>
 <221> unsure
 <222> 387
 <223> a, t, c, g, or other

<400> 287
 tttggacca gcatgtcctt aggttttacc cattcgtaa actgctctgc tgtgagatag 60
 ccaagttcga tagcagtttc ctttaagggt gatccatttt tgtgtgctgt cttagcaatc 120
 tttgctgcct tgcataccc tatatgagga ttgagagctg tcaccaacat tagagactca 180
 ttcatacagc tgttgatcct ttctgtattg gcttggtatc ccaccacgca gttttctgta 240
 aaggaaactg aagcatcccc cagcagcctg gctgagtgtg acacattttt aatcatcatt 300
 ggcttgaaaa cattcaactc aaaatgtcca ttgctgcctc cgacagtgc agcaacatgg 360
 ttcccatga cttgggctgc aaccatngtc atgcttccca ctgagttagg ttcaccttgc 420
 ctggcatga 429

<210> 288
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2116322T6

<220>

PA-0020 US

<221> unsure
<222> 43, 122, 125-126, 130, 162-164, 169, 200, 240, 373
<223> a, t, c, g, or other

<400> 288
ctgaaacttc catttacacc atggcctcat ctatcaagaa gangaagaaa aggcctctgcc 60
ttataccata aaaatcaagt actcatgtac ttgttagagg tggcaggata tttgtttctc 120
cnggnntttt gctctaagaa attacacttt cagtaccagt gnnntgacng aaccactggc 180
aaactgtttg aaatgtcttn tggattagtc agtgtaccat ttcataaagt gcttctggan 240
ttaaaatctg ccaagctgtc aaaagtgtcc acacttttgc aacaaaggat aaaagatccc 300
agtgggtatc accgagtcct tcccagctgg gtctcattat tggcactgct gctttaacct 360
ccaagccgct ggnccctcacc ccaggcgaac tcctggccgt tcctcaggta gtggattgta 420
atttgatcc tcactctggtg tatcaaaaat agctttcaaa atagatg 467

<210> 289
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2366633F6

<220>
<221> unsure
<222> 28, 160, 172, 213, 254, 305
<223> a, t, c, g, or other

<400> 289
gaaaatagag aaagtcaaac ctctcctntc ccccaccact gaaggcccca gcttgccagcc 60
tgacttagcc cctgaagagg ctgccggaac ccagcggccc aagaatctga tgcagacctt 120
catggaagac tatgagacac acaaactctaa aaggcacgan agaattggatg anagtagtgt 180
cctcgaggcc acacgggtta atcgaagaaa gancgcactg gctttgcgct gggaagcagg 240
gatctatgcc aacnaggagg aagaagacaa cgagtaaact tccttcaacc caggaagcgt 300
ctttngtgct 310

<210> 290
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3271754T6

<400> 290
gtaaaaattt ttatcagcac tcattccagg agttgtgtca attacaaaca atgcattgtc 60
acatgacaga cttcctgtgt ctccacttaa tgactccctt tggccactat tttcaacaaa 120
acataaagta tcctcttcat tctcactgtt ttcagactgt tggctttcat cactgctgag 180
aactagtaag acagaattat ctttaccctg agatgtgttg ggcgcagacg tgtatagttt 240
ggtatcacat tcaaaaacta cattcccttc actgttcatg tcttactga cacttataac 300
tgtggactct tcttcatcat cactaccacc acaatcacca aactttgtca agtcacttgc 360
ttttatgggg ctctttttgt tgttattcca tctgcctact tccacagttg caaatgtttg 420
agttaatgat ttcattacag cctcagagtt cagattagag tgcactgata cagcattttt 480
attttggggg gttgatgtct ctgagaaact aactgttga 519

PA-0020 US

<210> 291
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 161115T6

<220>
<221> unsure
<222> 292-293
<223> a, t, c, g, or other

<400> 291
attataaaat ttgccaaata aacatgtcaa aaacaaactt aaaaacaaag tgtagctgat 60
atccagaaat tgcagcactg tattgataaa gggctctttt cattaccagg gaaagaattt 120
aatgtccttc cttcctcccc aaaagcttcc ttggtgcaat ccagtacaga aaacgccacc 180
actttctgat gccaggagaa aagcaaaata aaaaaactgc ttgcacacat tagcactgat 240
aaaacaatga caatttcact aaaagaatgt ttaaagacta ccgatgctg gnncaaacca 300
acttcatgac tgcattaaca taagctaagt tacatacact tcaaatgcag tatagaatta 360
acactgcata tctaaatggc tcatatataa aatgtgtaat taaaacccaa acatacacac 420
tatgtttatt acattcccct acattgaaag tactgagaac aatttactc tgaacacaaa 480
agtttagtga atttgctact gttccattac aggacaatta aaaatgagac tatat 535

<210> 292
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 308581T6

<220>
<221> unsure
<222> 393, 408
<223> a, t, c, g, or other

<400> 292
tcactctttt cttcatcggg ctctttcata tctaagggtt cattttgagt gtctactgta 60
cttggacctg tcgcttcctg acagttgccc tcagttcctg ctggagaacc aggaacttct 120
gtcttgattg gtttctogtc ccttaatcct gtttcttcac cctctcttc gttgtgatcc 180
ctacctactt ctgtactgtg cgctggaacc tccttgggct cagctgcttc ctggttggtg 240
aattctttct ctaaactatg ccctgtgctt gtctctaact cttgggggac ctctaccata 300
catttgtcat catgataaac tgtgtcatca ctatgcccta aaggacacga ggccactgtg 360
cctgacctgct cttcaacctg agtcaactgt gcntctccca cattctcngt gtggt 415

<210> 293
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 394087T6

<400> 293
 ttctttccat agaagaatgg taatgttgta tcagtgcata ttctatggaa aattcatatc 60
 tcaagtaact agcctagaaa tcagagacag cactatgtca agctagtata caagggtcaaa 120
 gacacaatgc tgccaatgca attagtatat agaaataata cgcagctgtt agaaaaagtc 180
 tgtggccaag tggataaaac agtagcagtg cactgcactg acatccagaa cagaaaaatag 240
 ggaaggacca gagaatgcac ttcttgcaaa aaaaagtcca gtagatcaca agcacaaaga 300
 gttcccaact gtctcaccag ctctctaact catgtgtacc tgcaccttcc tcttgaaatc 360
 tgaacattat aataccacaa gccactttca gctccagtgga gaagggtccag cacacgccga 420
 tatttcgtcc tgttcccgtc atctcatatc taaaagtcac g 461

<210> 294
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 511300T6

<220>
 <221> unsure
 <222> 527
 <223> a, t, c, g, or other

<400> 294
 ccattaacaa aacaattctg gtactacaga ccagtgggtg cagaataggc ttagtgccctc 60
 cttgtttgtg tttgttttgt ttttaattgca tgagcactct agatggtaaa gttttcagag 120
 ttcattttat gcagggccat tctcagtcct caatgtactc ccacagatct ttttcatagc 180
 cttcatgcac atgctgtaac aaaacccttc gtcgactctc acagtatctg tacttgctct 240
 gtactttctg ctttatatcc tgcagagaat cttgggaaat atctcgttca aggtagcccg 300
 agagcacctc tgtggcattc tctagatctg cttggttatt ctcaaagata atggactggg 360
 tattcttttt gaggtagaaa gcgaagacat aagtgtacat gagtgtggca cgacactggc 420
 agaggacatc aactgccttc ttcaggaact gcacctcaat ccaggacatg ttgtgctgct 480
 gcatctcctc cattttctgt ttcacctgag catatagttt gtgctcnaag cgcaggctct 540
 gcatgtgggt catatagcg 559

<210> 295
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 604978R6

<220>
 <221> unsure
 <222> 143, 145, 150, 156, 361-362, 402
 <223> a, t, c, g, or other

<400> 295
 gcgggcgcag gcggcctgac ccttccgcag gcctccgagg agctgctgcg tgagcactac 60
 gccgagctgc gtgaacgccc gttctacggc cgccttgctca agtatatggc ctccggggccg 120
 gtggtggcca tggtagtat ccngnaagcn ggcggnccggc tccgggaccc ccacccccgc 180
 gtgataccgc gcccgttcct ccgcacaggt ttggcagggg ctggacgtgg tgcgcacctc 240
 gcgggcgctc atcggagcca cgaacccggc cgacgccccg cccggcacca tccgcgggga 300

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tttctgcacg gaggaacctg attcacggca gcgactcggg ggagagtgcc cgccgcgaga 360
nncgctctct ggttccgcgc agacgagctc ctctgctggg angacagcgg ttggggaaact 420
gggctgtaat gagttagccc ggcagattgc gcgtaaacag agggttttca aa 472

<210> 296

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1218053T6

<220>

<221> unsure

<222> 25, 56, 363, 404, 448, 452, 473, 477, 522

<223> a, t, c, g, or other

<400> 296

tttgtcattg cagaacaaac aatangaagt ccaaaattta tggcttcgtg agacanaatg 60
tttacaactt tacacattgc ttttacatca ctctttgtta cacttgcagt tccacaaatg 120
tgggtgggta agatactaaa tatttatata taagtctgcc ttttccaaag aaaataataa 180
atggtatggt catatttata ttctgtatca aatataattt tactgaaagt tctcagaaat 240
aagcagtaaa aataggattc atcctctatt cagaaccaca aagatagtag agactgaagc 300
ttttaaaatt ttattaccct attaacatca gtaactcaat tattttaaaa taacttcctt 360
aancttaaca ttctggcaaa agtttaattc cccatgtatc agtnacaaat caagaggccc 420
tttgtgggtt tatgagacct aggctggntc cnttatgatt aagacacaaa gcncaanatt 480
gcatagggta cgaagtccac attactcacc gagatatgga angtcgcac tgtgcctatg 540
ctccatctgc 550

<210> 297

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2191256T6

<220>

<221> unsure

<222> 41, 64, 72, 77, 79, 83, 91, 95, 106, 112, 117, 141, 177-178, 181, 200,
213-215, 473

<223> a, t, c, g, or other

<400> 297

gccagtggac cagtgagggg tgagggcacg tcctccgaag ncgaggggtg gcatccctgc 60
ccangggcct tngcctnant gcntaaggg ntggncctc agacangctc angggangtc 120
cgcccacaag ggctttgggc ncctccctca tgaagacgcc acccctgcc aagggttngt 180
ngcccttcac tgacacatcn gccttggttg atnnnaggga ggttgatctc tctcagggag 240
aactgtgggg tggggatgta gccttgggag ggcccttcag gaagtaggag tgggggggtt 300
gggagtgtgg tagaccaga aacttctggg gacgtcagtc atagttacta atatttggag 360
gcagtaggag atgctggccc caagggttag gtatcagtta gagcagaaca attggacct 420
gagctgggtt ttcctttggg tttaggtgta agtgaactat tatcattgga gtngagaact 480
ggagagaaaag ggttgtcact gtccagcac 509

PA-0020 US

<210> 298
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1287267T6

<220>
<221> unsure
<222> 398-399, 426
<223> a, t, c, g, or other

<400> 298
cacagcctga acatcacatc ttcagagaaa gttactttta tgccattgta tttactatTT 60
accacacagg cattgaacat tctcattaac atgataagac aatttgctgg taaacattta 120
aacacacaga cattagtttc agtatctcaa catatTTTTg gtcataacca aggaaataca 180
tcaaaataat gacaacattg gctaataTTt tacaagcaaa tatttaactc tgcatagttt 240
atacaatagg ctgtggcaat aaataatgtc accaatctca tcaactatta actggccaca 300
agaagcctaa cattcatttt aattatgata tgaaatgctc tattgggtga gtttcaacat 360
atccttaaat gtttggtgt ttaacctga atacacgna agaaaaagta ctaaactgga 420
ctaagnaggt gtgtttggt aactacaaat atgtcatgtt cacatagtag attcctaaca 480
tgaaggccaa tttttaata gacaaactag cagtccaaaa aatgtgaatg tgcaaattgt 540
gagtaaacat tgctttaaat ttgcactcat ttgcaagtac agtactagc 589

<210> 299
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1288342H1

<400> 299
ggaaaaaaga aaatctctac ggacaactgg tttctattca ggattttcag aagtggcaga 60
aaaaaggatt aaacttttaa ataactctga tgaaagactt caaacagca gggccaaaga 120
tcgaaaagat gtctggtcaa gtattcaggg 150

<210> 300
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1306707F6

<220>
<221> unsure
<222> 88, 121, 198, 218, 281, 316
<223> a, t, c, g, or other

<400> 300
gggacgctct cagctctcgg cgcacggccc agcttccttc aaaatgtcta ctgttcacga 60

```

aatcctgtgc aagctcagct tggagggnga tcaactctaca cccccaagtgc catatggggtc 120
ngtcaaagcc tataactaact ttgatgctga gcgggatgct ttgaacattg aaacagccat 180
caagaccaaa ggtgtggntg aggtcaccat tgtcaacntt ttgaccaacc gcagcaatgc 240
acagagacag gatattgcct tcgcctacca gagaaggacc naaaagggaac ttgcatcagc 300
actgaagtca gccttnatc                                     319

```

<210> 301
 <211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1394439H1

<220>
 <221> unsure
 <222> 16, 91, 110, 152, 178, 221, 238, 257
 <223> a, t, c, g, or other

```

<400> 301
cttcactctg cttctnctct ccatcgctcat tctgtactgc agaattctact ccttggtcag 60
gactcggagc cgccgcctga cgttcgcaa naacatttcc aaggccagcn gcagctctga 120
gaagtcgctg gcgctgctca agaccgtaat tntcgtcctg agcgtcttca tcgcctgntg 180
ggcaccgctc ttcattcctgc tctgtctgga tgtgggctgc naggtgaaga cctgtgcntc 240
ctcttcagag cggagtnct                                     259

```

<210> 302
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1454705T6

<220>
 <221> unsure
 <222> 409, 461, 496, 499
 <223> a, t, c, g, or other

```

<400> 302
gtaaaatgtg aacattttaat taccttttaa tcatatatga aataatttac atgctataca 60
cttccaaaca cactgaacat aaattcaact ttataagaca tatacacagt ctgcttttgc 120
caacatatac cctgtaggtc acttaagatg taactgattt ctgagtcac ctgtgagcat 180
ataaacacac aaatatatgt ctgaagttga agattaagat aataaaccag agttgaatac 240
aagaagtcag ccacagaaga ttctaaaacc acaatcagtg actggaacac caaggcacia 300
aaacttcctt ttgtagtcac agagattaag tttccattcc cagtgcctta atatggaagc 360
aggattgggt aatcacatac tatattttat agtgcatttc tggtgctgnt taaaaggaa 420
tattttttta attacataat gtattacagg aaagcattgg naaaataaac aggggtaaga 480
taaagctccc catacnatna aagttttttt tg                                     512

```

<210> 303
 <211> 326
 <212> DNA
 <213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 1477962T6

<400> 303

```
caaagtacaa tttgactcaa acctgtccaa ccagcatcaa cagctactga aagaattcaa 60
acatacagaa gatgtggggg tggggtgaag ggtgggacac ttaggtccca tctctgccaa 120
tgtggcaaaa aaaaaaaaaa aaggaaaaga caaatgact gacacagcca gggtcattct 180
tgtcttgag ctgaggcagc agccctagct cctgctacag acggaatact ggaggacggg 240
ctccctaggc gtaggtatgg tgggtcgggg gcacccaacc tagcagagtg atgcacagag 300
gaaggccagc cctgaccctc ctccctt 326
```

<210> 304

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1503230H1

<400> 304

```
tacatgccct ccgtccctgct ggtcgccatg tcctgggtct cttcttgat cagccaggcg 60
gcggtgcccg ccagggtgtc tctaggcatc accacggtgc tgacgatgac cagctcatg 120
gtcagtgccg gctcctccct gccacgggca tcagccatca aggcactgga cgtctacttc 180
tggatctgct atgtcttcgt gtttgccgcc ctggtggagt acgcctttgc tcatttcaac 240
gccgactaca ggaa 254
```

<210> 305

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1509884T6

<220>

<221> unsure

<222> 333, 398, 404, 422

<223> a, t, c, g, or other

<400> 305

```
tatatttgga attagccagc ttgactcagt ttaggtgatc ccaattttgg tggcaacaac 60
caaagcatcg tagtcaggag ccagtcgaac atatgccttc ctctctccat cagactgaat 120
cagagtgttg actttggcca catcaatgtc acaaacttct tcacagcctg tttgatctgg 180
tgcttggttg cttaaacatc cacagtgaac acaagtaggc tgttgttttc tatcttcttc 240
acagcctact cagtggtcag cggaacttg atgataacat ggtggtcaag cttattttctc 300
ctgggggtgc tcttccaagg atatttgggc tgntccgga gtcacagtgt cttgggccgc 360
cggaaggtgg gtgacatgtg gatcttgttt tttttgtngc tgtngacatc tttcaacact 420
gncttcttgg ccttgcaaag ccttcgcttt ggcttcggct ttaggagggg caggagcttc 480
cttcttcgtt cttgg 495
```

<210> 306

<211> 429

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1633262T6

<220>

<221> unsure

<222> 290, 337, 347, 379

<223> a, t, c, g, or other

<400> 306

```
actttacaaa tagacaaaata ataaaaggct cagtggctaa aatagatggt aagcatcatt 60
gaaagaaatc aacaccatca cggatatctca gttggcttac acgtgtaaaa agaaattttc 120
aaagagcaat ttcacagaaa tgaagccagt ttttttctta taaacaaatc accaattctt 180
ggttcaaaac tgacatctgt tatgaaaatt accatatcac atatttgtaa gatgacaagg 240
agtaactcat cttcaaagtg caagtaagtc tatttacaac cacaaaaaan gcaatgatga 300
ggagaaaagg atttttaaaa aatatacaaa gattaanaac atttggngtg caaaattaaa 360
caattttttg ggtagaggnt taaagaggaa aagtgattga attacagggt tcagctatac 420
ctactatat
```

<210> 307

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1669006T6

<220>

<221> unsure

<222> 342

<223> a, t, c, g, or other

<400> 307

```
cacagctcat aagtcacaaa accatattat aactcaaagt caaatatgta ttcgtttgcc 60
agatatattc gtcggaatat aagagctgcc aatgccaaag tcaggatgac aatcagtaca 120
gctgaccac catgatcagt gtggttgtct cttggctggt ggccctggat tacatctggt 180
gaagtagaca accttctctg actctgctgc tgggcccggc gctgtcgagg gctcatggag 240
gtattcttag ctacagggtg ggtaggttga tgaaaggatg ctgctgagga attctggagt 300
ccgtacgatg tactggccgt agcaccctgg aatgttgtag gnatatcatc ttgtaaatca 360
gtagtgaaa aagagtgggt taagtctgac tcagagatag tctttccaga tgaattgact 420
tctgcctata aacaagatag acccaagagc agtgtgacaa caggaacaac agggaacata 480
cacaatctac aacctg
```

<210> 308

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1706162T6

<400> 308

PA-0020 US

```
ggtacagggg gagtacagat gcacaggagg ccataggggt taggcaaagg ggagcacaaa 60
agttgaagat gaggcgctgc catcaatgct gggacttcag gccaaagggca ggaactgagg 120
aagccacaag ggaggacatt ttctgcagtt gctgaaccag tagcaactag gtcctgagaa 180
agccctctct cgtggaagaa taacagccag gcgggaaagc ttttcatact gcaaagctgg 240
ggcagaagat tcttccttaa attgtcatct gcacttcagc tcaggaatcc tgttggtga 300
agtccagagt gtcctttctg attcctgaag tagatgaaca gcccggcccc aaggaagagc 360
aggccagca caaagcccc gactccactc agcatcttgc tctgtgcaga ttcagaccgt 420
gctctccatt ccactgtgag agcgctcgtt acgcttgggt gctccacttg gcaagtgtaa 480
acctctccca ctc 493
```

<210> 309

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1706278T6

<220>

<221> unsure

<222> 32-34, 190, 235, 237, 239-241, 243, 248, 253, 255, 259, 266, 274, 313, 349, 406, 494

<223> a, t, c, g, or other

<400> 309

```
gcttataact ctgcagcccc tatgggtagc tnnnggtggg ggaagatagt atcaaaaaaac 60
ggtgaagaga gctgatgagg ctgtggggac tggctggaag ctgctggcag ggtggagtgg 120
gctggggccc cggcagattc agatcgaggt acagcagcgt taataatact cttggagcgt 180
taataactctn gggaggggca ggcacttggg gggccctagg gcatgaaggc acttngngnn 240
ngngatgnga cangngatnt actgcnggac tggncggggc caggccctgg ggtttggcag 300
gcactttggg gantgctggg gttgggcagg ttgggccccg acagccana aggctttggt 360
agtggcacgc acagtctctg ggccgggtct gcattaaata gaagangctt ctttagtgct 420
catctcgaag ctctgaaggc agaaacttgt actgctgctt ccgcatcttg gccagtttct 480
tccgcgcctc ttcnagctct cgttc 505
```

<210> 310

<211> 82

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1729325T6

<400> 310

```
aatcttcttg tgccatgaga ctccatcagg cagtctacaa agaccactgg gaggctgagg 60
atcacttgag ccagaagtt tt 82
```

<210> 311

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PA-0020 US

<223> Incyte ID No: 1750447T6

<400> 311

```
aatagaattg tgcttctttt gcagactggg gacaatgaaa tgtttagcta caattttccc 60
atacaaacat gaaacaatat tcatatagaa taaacaccct cacaaataac tgatgggtga 120
tgaacacaca ccaagttcga ccaaagcaaa aaataaactg aaaattggtg ggtgggggta 180
ttcatatttt aaattcaaca tgcttgctct atttaaaaat acctgtagaa gctcataata 240
aatagcttct attttcagac atagcagaga aggcatattc cattgttaac tgtaaaagca 300
actcttaaat ttaaaattac tgctatacca cctattaaaa taactttaga taaaatgcct 360
tcttttagca acctgctggg ttatttaaaa aattgtttta gaattatagt gatcaatatg 420
catttttaaa atacaatatt aattccatca tagccaatgg aaaattaaga cggttccata 480
tttctcagtt aaagggtttt cttcactg 508
```

<210> 312

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1813891T6

<220>

<221> unsure

<222> 37

<223> a, t, c, g, or other

<400> 312

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atacaacaac aaaaaaaatt taatcaagtg aaacgtnaat aaactgaaca ataaacactc 60
aaaacatttt ccattggaaa catgtaaaga caatatgagg ttttgttacc atcttactgc 120
aattttctta tgtgttacta gtctacatac cccatgtttt ctgtaatcat gcagatgtga 180
atggaagttt gaatgattaa ataaatgaaa agtccgttta ctgcagggaa tcatttcaca 240
aggcagccaa accgggttta gagaacaaaa ctattcaaga aattctccac gtatttaggt 300
tcattttaga atccatgaac cttaagctgt tctctcttta caatgccaac ctccaagaga 360
aactgggcag atgttttttc tttggtcacc ttgaagctga ataacctctc cgtattcagg 420
atgttcaatc acagtaccat tacag 445
```

<210> 313

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1825132T6

<400> 313

```
ataattcaga caggtaaca tatatgattt gatgggagaa tagttagggt tccatttcct 60
ttaagtttct attccaatca atttccactg gtgatgtcta actcagatcc cgtctcagtg 120
tacagatgca acctcgctac atccccagca tgatcgata gactctgtca accagaatcc 180
caacagctgc ccagggggga gcagcgtggt ccagacacac atggtttctt agacaaggta 240
gggtgcggct gcagcggaca ggcacttctg gctaggtcag gcttcaagct agttaatatt 300
gaatcttcct cttagctttc ctcagttcaa tgctcttctt aagtagtcaa gaatttcctc 360
aatcttatgt aggtaaaaact ggaattc 387
```

<210> 314

PA-0020 US

<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1849154T6

<400> 314
gaaaggaggg aagaaggtag tggcactaac caaagtcaca aagcccaggt tggaacaaca 60
acaaatcact ttgggttcta gagccaagcc tgaaggggaa acaggcagaa gggaagacaa 120
aatgggaaga agtctacagt caatgggaat ctttttctat ctcaatgatt tagttataaa 180
tagagattat tagtcttctc tctatacatg taacaaatgc cgaacttact accacgaaat 240
ttctaaaact gactttttca catttggttaa aaaaggtaaa aatcacatac ttttcttccc 300
ttccttcagg tcaagttctg aactaaaata ttacatgtaa caacagctgg tcctaacttt 360
tatacaaaagt gaaactatat aga 383

<210> 315
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1980941T6

<400> 315
tagttacagt aatactttgc ctgtgtctta ccaacatgta gctgacagtc aaaattttgc 60
aatatagata taatatatag ggatatataa gaactacaag aaaatcccca aaaccataa 120
agttcaaagtg tgaaaacaga aaagttttta cactggagaa ttcgctatgg tgagcctaag 180
caatatatag aaaagagtct acaaaaaggc ttagggtgta aataaatttt gacttcctct 240
tgctcagaaa atgtcggagt gctataaagt tccgtgaagt tccttaaatgt gactcgtc 300
gcccttcata gctagtgcc atcctggcca agccagattt cttgtgtgtc tgcaacaat 360
atgtgagccg aacatcacca atgcctcctg aaaatgggct ctgactcact tccttttttt 420
gccaagatag ggtttgcttt gtt 443

<210> 316
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1988078T6

<400> 316
taagttccca gctaagtgc cagatagaag cgaggatatt ctgggttaat gcaggagcca 60
gtgggttaca tgggtctggg cactgtggcc aaggggagag taccaagggt tctgagtcag 120
accgggccag agaccctgcg ctgaagggtg actaatgtcc taacactgcc agctgctttc 180
tcctcacagc tggccacacc gcaaggcatc tcttcgacag taaatcattt cagcgatgtt 240
aagggaacag acgttaaag 259

<210> 317
<211> 468
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 2132606T6

<400> 317

```
cacagtggcc acagctaaca tcattgcagc acctttactc cttcggtgt gatccaatct 60
coagctcaact tcttttttggc agcaccaaca ttggcctttg cagtccccct gactttcttc 120
attctgttct tgcgttcctt tcgttgcttt cttgaggtct ttttcttctc atacaggcca 180
tgtcttgcaa gtctatgttt gggttcattt ttctttgcat aatccaggga atcataaatc 240
atgccaaagc cagttgtctt gccaccacca aaatgagttc tgaatccaaa tacaaagatg 300
acatccggtg tgggtcttgta ctttttggct agtttttccc gaatttctgt cttaggcaact 360
gtcgcccttc cggggtgaag gacatcaatg accatttggt tcctctgaag tagtcggttg 420
gtcatgaact ttctagtgcg gatagttacg gtgtcgttca tgatggcg 468
```

<210> 318

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2137446T6

<220>

<221> unsure

<222> 266, 274, 280, 283, 319, 352

<223> a, t, c, g, or other

<400> 318

```
gggtttttga atagtatcac ctggtatgaa aagttttccc aagaaaccac aaacgattgt 60
tcattttttc tccttttttg ttaacttttt gccacactca agtcagtta agtcctagca 120
aaaagacggt agttaggata ccactgtggc tgtagatgat gtgacactgg ttgaatttgt 180
gctggcgttt gtgtaacttc cctcgtgtgt tgtgtttgat tcgttagggg gcacctgggc 240
ttgaattggc tcgaaggatt gctccngctg ccantgcaan gtngccgcgg ccctggttct 300
ggtgtgtagg taaaggtagg gctggtggaa taaatgattc catcatttcg gnccaaagt 360
actggaacct ggactgggtt gcc 383
```

<210> 319

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2180426T6

<400> 319

```
cagttgttta tacaacaatg aataaggaca agatatcaaa ctgaaaattc aaaaataaac 60
agaagaaatg taaacagttc taaaatatca gtatttataa atgttgctta gaggaaggct 120
attcaaagca tgggtccatta actatttgtg agctgtccag aatgaaagag gcttgtgcc 180
gaatgaaaat caattacatc actaatcata ctggctcagt tgactttttt taaataacaa 240
gacttctttg ataaaggag caatgtgttg atttatattc tggcacaagt accttattac 300
tgactagag 309
```

<210> 320

<211> 533

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2201912T6

<220>

<221> unsure

<222> 450, 486, 507, 513, 521

<223> a, t, c, g, or other

<400> 320

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caattttacaa gtaaacaat tattacttct tgaggagggt ggggggttgaa aagcagaagt 60
ctcttcatga ttcttggtc tgaaaatttc ttgaggggag aagtggaggc aggtggttga 120
acattcacag tttaatgcaa aagcacaat gaatgaaatt ctgtagttgc tttcaggcag 180
ttttgcgcag agaaaaaag aaatgtttag aaaataaaat gtttattttg tctttcaggt 240
tgtggccaag ccagtcatt ttccacctta acaggtgaaa atttaaattc caaattaatc 300
tgatttgtgg cagtaaaggc ccttaagtgc ttttagctcc tcaatcaatg tcttgttttg 360
attttcaagc actgccactc tgttttctaa acatttcaca tattctttct tctttctacg 420
acactctcga gctgcttccc tgttcttcan tagacggacc tctctctttc gtggctgctt 480
cttcancagg ctgtgtagga agtgctnggg gangatgcc naacaactcc agg 533
```

<210> 321

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2203287T6

<220>

<221> unsure

<222> 84, 89, 171, 179, 201, 231-232, 244, 255, 313, 315, 365, 371

<223> a, t, c, g, or other

<400> 321

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accctagact ccaagtcatt tagaatctct tctaattcct gcttttttagc agcaagtctt 60
gccctcatct cttctgcttc agcnaaganc tcagtctctg cttgtagttg ttctgcaagg 120
atattcttct cttctaaaag ctgctggtgc ttccgctcca tctcctccag ntctccttnc 180
aaattcggct gccctctccc ntcaccttca acagctcttc atctttggcc nnaagttctt 240
cctnctggcg agtnccttgt agaagcggct tcacctttgt gaagactcgc caccactgcc 300
agtgccgtaa ttncnggtac gcggcaaagt tccggctgca agacccttta aggcacttag 360
ttgcngctgc ntcttggaag aggcc 385
```

<210> 322

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2236363T6

<400> 322

PA-0020 US

gtgctgggct tcacccatt tgccttaggt cttttaaaca aagcaaact acttttcctc 60
cttcctctat cgccatttgg gagagaccca ttatacctga tgggggaaaa aaagtatagg 120
tgatctcttg caagaactgc acaattataa aacaaatgtt tgactttgcc ttgcagaatc 180
aattcccaat taattatcta ttaacacatt ataattattt aaaattcctt tgagcaactg 240
ttgatctcca taccaggtgc cagtgtgtga aacaaaatga gattcttttt ctggcttcat 300
tccaagtcac agagaacctt ttggattata cacagattcg tgttatctct atttttttcc 360
ttccctcttt tatggaagat aattaagagc tgattaatgg catgtctgac tccttatgac 420
tcattctgtt tttttaaggt gaactggttg catgtggcta atacaacctt aaaactcgag 480
g 481

<210> 323
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2291484T6

<220>
<221> unsure
<222> 12, 15, 26
<223> a, t, c, g, or other

<400> 323
catcattcat tngngggaga ttagcnggga agtagctgta tatttttagt gagatcactg 60
atggcaatgg atctctggat cgtgctgctg cttatggtta aatcatatct aatgtgaaat 120
ttogaattac atccagagct ccagtatcaa agccgcacat atccaacatg cctctatcat 180
ctgggtctgc aatggtgaaa ccatttgatg tcattccaca aacaatcaat ttagctggaa 240
tatccatttt ctttcgatac tccctcagag caatagcagg atggacacct ccagcaaagg 300
tctcattatc agtgaatata atgaagacat cagcaggtgt gtttgtcttc tgagcccaga 360
tcattggaag agagcaatca gttccacctg ctgggatctg actcata 407

<210> 324
<211> 213
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2375549H1

<400> 324
ctcctttact tcattcatgac ttgaagactc agaatatctt attggacaat gaatttcattg 60
ttaagattgc agattttggg ttatcaaagt ggcgcatgat gtccctctca cagtcacgaa 120
gtagcaaatc tgcaccagaa ggagggacaa ttatctatat gccacctgaa aactatggaa 180
cctggaccaa aatatcaaggg cccagtatca agc 213

<210> 325
<211> 222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2423808T6

PA-0020 US

<400> 325
ccaccagttt tgagagtctc tccatttact gccctgttca ttttactcaa gggctctgtca 60
gcatcttggt tatctttctg gtatacctgt gtaggtgttt ctttctcctg aagttctgtg 120
tcttggtttt ctcttatctc tgacctctgt gttacaacct ttgctctgtg gctctcaaga 180
gacttttctt catttggaag ctggggaaga gttcgtctcc tt 222

<210> 326
<211> 186
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2446704T6

<220>
<221> unsure
<222> 2
<223> a, t, c, g, or other

<400> 326
tnctaggagt atatttcaag attattacat ttttaagccag cacaccatgg atgtacatga 60
agggccactc agtgtccctc gctgggacag gttgtgtgac ctgcccaagg ggctccggct 120
catttgccaa agtcaagacg acgaccaggt cttctgactg ctacagccaa ccaataatga 180
aaaaag 186

<210> 327
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2452667F6

<220>
<221> unsure
<222> 47, 84, 256, 301, 306, 309, 312, 350
<223> a, t, c, g, or other

<400> 327
gtgttgcgcg actggccttg agggagagct ggggcctgct cccgganaga tacggctatg 60
tcgatcgaat tcgaatcttc ggangtgatc cgccttatta tgcagtactt gaaggagaac 120
agtttacatc gggcgtttagc accttgacagg aggagactac tgtgtctctg aatactgtgg 180
acagcattga gagttttgtg gctgacatta acagtggcca ttgggatact gtgttgacagg 240
ctatacagtc tctganattg ccagacaaaa ccctcattga cctctatgaa caggttgttc 300
nggaantgnt anagctccgt gaattgggtg ctgccaggtc acttttgagn cagactgatc 360
ccatgat 367

<210> 328
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte ID No: 2503017T6

<400> 328

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gcacattgat gagttttaa cactatagtc cttatacatt gaaacagaac accagtagtg 60
aaatgacatt tattaattcc attaaagacac aactacatat tttattctta taatggccat 120
gttaataagt tcaaggcata cttcaagggt aggatcaaaa tttggccagg gcttcttaag 180
atagacctta aaacattgca cggtgatgtt cttttgaaca agtttgtctc caggaccagt 240
aaatatgaca ctttggtatt taagctgatt aaagagaaca ggttttatta ataaagactg 300
atctcaaaat gctgggattg ataaaagaat taaagtttca acatatcaat tttaagaagc 360
aaagtgtttc aacaactgag aggtaagaaa atcttggtat ttgcatgtat tttatataa 420
tcaatcaggt tgcagattct aaaattgctc atatccagca tgatggtgct tgagaccaat 480
aaaataagcc agcaacacta gaataagtac tcctgccaag gcagctocca ccgctatggg 540
cacaaggaag t                                     551

```

<210> 329

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2677105T6

<220>

<221> unsure

<222> 16, 164, 187, 296-298, 308, 317

<223> a, t, c, g, or other

<400> 329

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actgaataaa aaccangggg caatataact gctactggtt gagtcataca gtgatgtgta 60
gtttggaaaa gaagacgaat gatagatatt gagccccttt aggaaatgtt gccagtattt 120
gaatttggct ttcatagtta tctcttgcac acgaagtaga gtancatggc tgataaccaag 180
aggtcanaatg tacaagttgc tctaataatgg cctcaatgag gcaccagctt caaaacccgc 240
ttgctgataa ttcaggtatt catggagggt caagacttca aagtcatgta cttccnnngc 300
ccagtagngc atctggngtt gcttaaggga gtctgtcagt gtaggggtgca tagaattgtt 360
ctctggctat atccattct aggaatcact ggatatccat ctggagtgga gggctgttaa 420
tctaggttca cttgacacca tcttcagcaa atgatcattc cctgggggtca aagacatgc 479

```

<210> 330

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2702380T6

<220>

<221> unsure

<222> 18, 22, 27, 52, 60, 81, 115, 126, 170, 177, 195, 232, 236

<223> a, t, c, g, or other

<400> 330

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agctagcagg ataacagntg anttaanggg cctcagacta catccaaggg antgtttatn 60
gggcgatccc aattacacca naagccaaac gacttcagac gtttctgtc tttgnacttt 120
cttcanttcc accttggccc aagtcattct ctttttcatg gaccaccagn gtgcggncaa 180

```

PA-0020 US

tgatgcaatg gtctnctgag agtgagatca cagaatcttc aatagacaca tnggcnacac 240
catcttt 247

<210> 331
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2744270T6

<220>
<221> unsure
<222> 356, 395, 400, 417, 422
<223> a, t, c, g, or other

<400> 331
ttaaaaggga attcatgata aaaatagaag atacttgagg aaagatgtgg gaaatggact 60
ctgcacacac actaaactaa caatgcctct aaaactaatg attatagcaa aaaatgtctt 120
cacattaaaa ttctgctttt tatgtttttt tccatttttt acacaattac aaaagaaaaa 180
ataaaagccc taaaatcttg attatttttc ctttttttgg accaaatact cattttcctc 240
taagtttatt gacctgtgaa actttttata caataaaatc tttcaagtga aagattaggg 300
ttaaaaagaa aaagatggat atcttaaagg gtacagcgaa tgctcagaac aaaggntgat 360
gggaaaatgg tttcagtcac tgattatttc attanccttn gattcactcg ccctttnatc 420
cntccccaac ccca 434

<210> 332
<211> 170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2748823F6

<220>
<221> unsure
<222> 88, 119, 136, 141, 146, 150, 155, 161
<223> a, t, c, g, or other

<400> 332
caaataagga ggcactggct aagacggaag tgtctctcac cctgaccaac aagttcgacg 60
tgcctggaga tgagaatgca gaaatggntg ctggaaccat cttactgaat acaaaacgnt 120
taattgtgga tgcanccgg ntccanccan gaganacctt nactgaaatc 170

<210> 333
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2749472T6

<220>

PA-0020 US

<221> unsure

<222> 173

<223> a, t, c, g, or other

<400> 333

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gaggtgcagg gcagcgctca ggccttgctc agtttcttct tgatgaagta gctcaccagc 60
cgctgcggcc tctgctggta ctgctgagc acattgcgag ggctgctgat ctgggtccct 120
tccaggcggg tcaggagggt gacacacacc acggccgctt ggaggccgca ggnctggcac 180
atggcggcaa acaccgagga ctccatctcg atattgcgga cgccggctgc ataggctgcc 240
tccagatacg cctgcttgct cttctccgtg taggagcaga gagcccatc cagacggcct 300
tgcccttaat agaagtccaa ggtg                                     324
```

<210> 334

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2824491T6

<400> 334

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aaagtgtgtt ttaacattag actttctttg ccagttggca acttagaatt tttgcagagg 60
tgattattaa tacttctttg cagctaattt tagctttaat tttctctct catctaaaaa 120
catatcaatt gcacattgtt cctttgactt aataactgca ttcttgaaac agaggttagc 180
tatttctactg tatccagaaa cgtggtagaa attctgacct atcattcttt tatctcagtg 240
acaacaccag cagctattgt agaaccaccg taacgtagca tgaacctccc cagctcttta 300
aagtctttat atagctcaag agctattggt ctttgtgtct gtagctctac caatgcattc 360
tggccttttag tcaaaaactt aggcctttttc tttgtgactt caccctgtgt tttgtttaag 420
acactaaatc aatcgtttaa taacg                                     445
```

<210> 335

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2873229T7

<400> 335

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gacatacaac acgcccagat acacagcata gcagggcctc gataatgaga taatttcccc 60
ccacgtcttg agaagaagaa tactatgtat ttctttatga acactattaa aaaaaaataa 120
acccctcaca acatttctcca ggacctagag cccaagagaa cccactgaag atccatcatc 180
tgtgggatgg cggaggcagt ctctggggag caggaggga tgtgcacagc caggggaggc 240
tgcagcagcc ttgcctctgc cgtgaatgtc aggcagtgc aagcagcaat aagggaacag 300
agggggtggc agcagtgttt ggcagctctt cagcaatctt aatcataaat tcgggtagga 360
tccagttggt ggcattgccg ggggggcaca gaggtggtag cagctttcac ctcttgggg 420
gtaggagagt tccctctgtt tggagaggga gaagaggggc aatgcagaag gaaggagcga 480
gggagcacag gctgtcttac aatcttgcaa aatct                                     515
```

<210> 336

<211> 201

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>
<221> misc_feature
<223> Incyte ID No: 2890054T6

<220>
<221> unsure
<222> 21, 133, 183
<223> a, t, c, g, or other

<400> 336
atcaagtaat catggccagc nattattgat caaaatcaaa aggtaatgca catcctcatt 60
cactaagcca tgccatgccc aggagactgg tttcccgggtg acacatccat tgctggcaat 120
gagtgtgcca ganttatttag tgccaagttt ttcagaaagt ttgaagcacc atgggtgtgc 180
atnctcactt ttgggaaagc c 201

<210> 337
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2958621F6

<400> 337
caaagtatag acaaattggca tataactcaaa tatttatagc tgtttaatgg cattttatag 60
acatttatatt ggggttttggt cttatttttg tttttaatta agggagtagt ggggtagatg 120
tgagttcatt gtggcattca gcttatattt gcttggcttt ttcattggctg gtgacaccct 180
aattcctagc atgataaata gtaacccttt gtgcttgatt ttgtttaact tatttgagtt 240
gttttcaaaa tacattcttt ttaattttaa aaatcagcta agcttggtga tgggtaagtt 300
tttgttttgt tttgtgtttg atttgttctt ttagggaaaa aatcctataa aatggctatt 360
aaatttttag ccaatgacaa tgagattttc ttaattttac tttgaattct ttacctctta 420
attcttagag tatgtgggtt tggtgttctg tagtgtctac taaaatattc atttttttac 480

<210> 338
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3034495H1

<220>
<221> unsure
<222> 162, 210, 233, 253, 255
<223> a, t, c, g, or other

<400> 338
gattgaccac gttttaaaag tactctgggc actgggtgctg tgttttcttc ccctccctaa 60
atttgaagaa ctatggagaa atgggtacttg atgacagtag tggttttaat aggactaaca 120
gtacgatgga cagtgtctct taattottat tcagggtgctg gnaaacgcc tatgttttgt 180
gattatgaag ctgagagaca ctggcaagan ataactttta atttaccggt canacaatgg 240
tattttaaca gcngnggtaa cgattacagt attggggat 279

<210> 339

PA-0020 US

<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3297413T6

<220>
<221> unsure
<222> 203-204, 211, 216
<223> a, t, c, g, or other

<400> 339
atgtaccata ctgcattatt gcaaaaattc actggtacaa aacactttgc agctggtgag 60
aaggcaataa aaagttgatt tttaaactca ttactataaa ttattcttac agtactttgc 120
aaattcagaa tttaaactg catgttcttt ttctaaattg cccacagtac tcgagggtcc 180
tgaagctaag gcagctgttt cannacaccc ngggangagg tagcagatgt caaggggattt 240
ccatttctct ttogatgccg acatacttca gggcatcagc ctggctgtat ctgtaatcaa 300
aaaacagctc ttgccagtc tggatggctc tcttgggcaa aaatacctat cctgtgatca 360
ccgt 364

<210> 340
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3326096T7

<220>
<221> unsure
<222> 456
<223> a, t, c, g, or other

<400> 340
ttgacacatt gcctcatttg ctttttttaa atctattatc tgacttaaac ctattcagca 60
aaaatgccaa taaattatat taatcactact ttgggtcttt ttaaaactag gaacataata 120
tgttttatga taaacaataa tactaaatct gagttgtatg aactgttaac ttgaaatttg 180
ttttagatgt ttagcttaaa acaaaaagaa aaccaatcac attaatacac tgttgcaaaa 240
gtttctccgg aatgccctcc acatcactgt gtgtcagcat ccttcggctt cttcactgag 300
gtatggaatg cagccatatg taggtgtcaa ggcactcatt ctaagctgtc ctatcctgca 360
catcttagca atcacattag atggaggggt gatgatatgc actaactccc aaccagggt 420
atcttgcttt taaataaact aatttcttta aaaganaatc atcaactaag gactcaaatg 480
ctgaatttag aaattaataa ttccaattca atacacattc aatcaaatgg gttagtactt 540

<210> 341
<211> 249
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3728208T6

PA-0020 US

<400> 341
ttaaaaagaa aatgttatat tgtagataat gtgtactagg taggtagccg tatggtgggt 60
gtgtctgtac tgaatatgta cagttgtttt ttcttgtcat acttccctaa atacaatata 120
acagttgtct tcatagcatt tacaatgcat taggtattat aagtaatcta gagatgattt 180
aaagtataca ggattgccta gttataggca aatacacttt tctataaagc acttgagcaa 240
aatgtatat 249

<210> 342
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 023582H1

<400> 342
atggacatga ggggtccccgc tcagctcctg gggctcctgc tgctctggct cccaggtgcc 60
aaatgtgaca tccagatgac ccagtcctct tccaccctgt ctgcatctgt aggagacaga 120
gtcaccatca cttgccgggc cagtcagagt attagtagct ggttggcctg gtatcagcag 180
aaaccaggga aagccccctaa gtcctctgac tataaggcgt ctagtttat 229

<210> 343
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 089562H1

<220>
<221> unsure
<222> 71, 76, 114, 130
<223> a, t, c, g, or other

<400> 343
cgggtgtaga agcgctggta ggcttggaga ggcggggttag gaagacgcag ggcccccttg 60
cctagcttcg ntgcgncgaa ttcagagcac gtccttccga ggtgaaggaa cgcnaaaactc 120
cacccatccn attgctgttc ggctgcgggc gggtcctttg gtcgggctga ccctgggtga 180
gcggccccga gccaaaga 197

<210> 344
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 108485T6

<400> 344
gcctcttcaa tagattgatg tttgtcagtt aaacgagcct tggttacttt gtgttcattt 60
acctcttggt ctaaccgttg ttgtaatgat ttaagtttgt agtttaaact tatctctaaa 120
ttattctttt ccttttctga gtgattaagc atgtcttgag cctcttttct ttctccttcc 180
actttttcga gattatgttt gagatgcttc acctcctctt gtaaagatgt aattcgagct 240

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tgaagggtctc caatcatctc agaatcatga cctctgtctc ttcgttcagc ttctaataata 300
gcttgacagct ggtaataatc tttgtctgtt tgtgacttag aattctctaa aattcgattt 360
ctctcttgca actctctgtt cagggactct aactgactaa ttgacttgct catctctgtg 420
tgactcttcc tcaatcttac agctgtgtcc gattctgtcc taagtaagtc attggcttct 480
tctagctgct ttgtaactgg gacagcttct cattagcaag ctgtgaatct gactgacttc 540
ctt

```

<210> 345

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 169295R6

<400> 345

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gcctcggagg cgttcagctg cttcaagatg aagctgaaca tctccttccc agccactggc 60
tgccagaaac tcattgaagt ggacgatgaa cgcaacttc gtactttcta tgagaagcgt 120
atggccacag aagttgctgc tgacgctctg ggtgaagaat ggaagggtta tgtggtccga 180
atcagtgggtg ggaacgacaa acaagggttc cccatgaagc aggggtgtctt gacccatggc 240
cgtgtccgcc tgctactgag taaggggcat tcctgttaca gaccaaggag aactggagaa 300
agaaagagaa aatcagttcg tggttgcatt gtggatgcaa atctgagcgt tctcaacttg 360
gttattgtaa aaaaaggaga gaaggatatt cctggactga ctgatactac agtgcctcgc 420
cgcct

```

<210> 346

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 261205F1

<400> 346

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aggaaacaaa ggatatttta ttcctttttt ctggtgttgt tgaggataga tcacgatata 60
gagaacagca atgggtcaca gcgcacgggt tgggtgggtt ccgcgggaac acagaggaca 120
ggaggggcgg gatctggggt gagttcccac tctcgttatg accttcaacc tctactgtt 180
cccaagggct gcacggagcc tgctgagctt ccaaccacc tcgctcaccg ctctgaccac 240
tgacaggcag agcaaaggat gcgggagttg cctctgctgc ccatctaagg ggacgtaggc 300
agagaagcaa aggcctctgc tctccctcca tccatcccgg tgtgctggcc ccaacggaac 360
aggagtcctt caactattgc ctgccagaga cccaattgca gggactgtag tctgcatctg 420
gatgagctgg gctgtagatt gaagtctcag aagcagggaa ggttggaagg ggtaggggtc 480
cagagcccat gggagttatt gctgaggaag gatatgcagg gg

```

<210> 347

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 450739T6

<220>

PA-0020 US

<221> unsure

<222> 367

<223> a, t, c, g, or other

<400> 347

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taaaaccctt gtgttcattg ggaggggttc agttcagtc taagtgtttg tccattgacc 60
aaggctgatt gatctcgtgt tggcaacaga ggcaggagga cggttcattt gctcggctat 120
aacttgctat gggtagcctg cagcatgcgt taatgtgcac tggtagctgg aacctcgggt 180
tttcccatca atgagcagaa gtggcatttt cctgaagtag tcaataatat ctgacacaga 240
cagaaagtcc tctttccctc ggagtccagt tcccaacaag taaacttgac tttccttctg 300
ataacggatc tggatgttgt aaactttatc tttgtacaac accatgagga catatggatt 360
ggttgtngtt tttttagagc tgtctctgac cagaaatgtg ccatcctggg ttatctttct 420
aagagcagct tctgcctctg gtcgggtaat at 452
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<210> 348

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 502311T6

<400> 348

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gtaaacataa tcctgaatta cagtattttc cataggacaa aacacagcaa gacattttct 60
atthagacag gcaacttttt gatatagagc ttattttatac tgaagaatct ggaacaaaac 120
acaggacaca gtactaatct gtcaaataata ctatgaaatg catagtctcc acttaaaatg 180
ctgaatgaca cacacgtttt gcaagcatta ctgctttcca caaaaactgc tgaataggag 240
ttccgtccct gccaagatca gtgtttaaga gatactttat gatgctgata agtattattg 300
gtgggtggtg tgttcagaaa gtttgtcact catgcagatg tctgaaatct tgttccgaat 360
ccatggaaca caggggtggag gccagctccc ccttttttag atgatcacat agttctgagc 420
agagatgtgg tcctcacctt gcagttcctg ca 452
```

<210> 349

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 511666R6

<220>

<221> unsure

<222> 32, 51

<223> a, t, c, g, or other

<400> 349

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tctgcgcatt gatgaatagg cagcatttta cnaattaact gatgtgttgc ngatatcat 60
ctctttgatg attgtcctc ttctttgtat cctgtcttat aatttcaaca catttgcgat 120
actcaatgtc tattctaaat taaccatgtt ttgtaccaca aactcattgc ccatggatct 180
gttgctgaaa caaggaagtc ttaaacaaga agtggaatct ttctgttatc agattgtgtc 240
tgaatcaaat gatcagaagg 260
```

<210> 350

<211> 435

PA-0020 US

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 567649T6

<400> 350
ataaggggtg ggtgttattt aaaacaaatg accatatcag atacatattt gtcacaattc 60
ctaagttcaa tattcataag ggctagctgg agaagaccac ttggggcagg aaattagtct 120
gcatttattt tatagcacia ggagcaggac tagatgagcc agagtcattg caggagggtta 180
attctccacc tccaaccctc ttttttcatt cttcaaataa gaatgtgcag aacccttcag 240
gcaatcctat tgggttagtat ccttagcctg ttcttgacct tagggagaat cagattcctt 300
tggctctatga cagtaataga agttatttct ttagataaat ttgttttaag gctttaaatt 360
aattctatct tggcattgtg tgggttctaa ttcattcatt catttaacaa aacttacttg 420
agtatccgct ctctg 435

<210> 351
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 701644T6

<220>
<221> unsure
<222> 18, 62, 64, 98, 102, 108, 202, 227, 300, 409, 426
<223> a, t, c, g, or other

<400> 351
tgctataaca tttctgancc aaaggcagag ggtatccatt aacttcattg ttgccttaat 60
tnanggggtg gtggcaatgc caaggggtgg aacacaanga anaaaganat attaacgtca 120
gctaagaaat caacatgtta tcaggctata ctgtagttgg ttgcttctgt gttactggac 180
atgacaaatg atctggtaaa tnatgttaaa ttggcttgaa acaaganagt ctcccaattg 240
ttagccacgg tttcagtcag ccctggatga aagatggaaa aatttgacat atatctcatn 300
aagggaattt gttgcttcca tggagattat agatggagggt tactgaggaa ttaggtagct 360
gggtggctta ctccaggcat cccttagtag gtaacacttg agaaaagana aaaatcagga 420
agtcanggaa ataattcaaa ggcatttgtg agcctgagca gatatagcaa ttta 474

<210> 352
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1237113T6

<400> 352
ttgtagcagc tgtgtaggta ggctaccagc tccttacttc cagtaagtgg atgtctccat 60
taatttccag cgtgtcaata ctgctgagct ctttaaattct gtgtttgtac tccaggctgt 120
gtacgccatt tactgcaacc ttgaattctc taacatcaca gtaaattatc atctcaaagt 180
acatcccagg actaaatggg aaagaggtaa tatttctctc ttcttctccc caggactcct 240
gaagaaaaga atttcttaca aatgctttaa tattcaggcg tgggttcaag tgtagagcaa 300

PA-0020 US

tatcctttga ttttcctgct agtaggtcaa cattaaagct tttggcattt gcattcactt 360
ctcctttaac gacgacagtt cgtccagggc ccatgggggt gttcaacctt gcagcgaatg 420
gcaggctctt gaaaagaagc cacagtcagg accaagaggc ctgcagaaag cgatctccag 480
ggaaaactcg tgtccaaaga aactacaga atgtttcaga gccatgacct tgtaaattcc 540
a 541

<210> 353
<211> 75
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1271372H1

<400> 353
acccaaatga attctaaacc aatcaaattg ctgggaagcc ctccaagaaa aaaaatagaa 60
aagcattga agaatt 75

<210> 354
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1272733H1

<400> 354
ttcctgacg tccagcaggc attggagtat attcagctat atggcagtta tgccctggcac 60
tcattattta aatcataatg acagtattca cttttggcat caagggtcca tcaggcttgt 120
tcattccccc catggccatt ggagcgcagc caggaaggat tgtggggatt gcgggtggagc 180
agcttgccca ctatcaccac gactgggtta tctttaagga gtggtgtgag gtcggggctg 240
attgcattac acctgg 256

<210> 355
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1297406T6

<220>
<221> unsure
<222> 90, 125, 174, 196, 214, 216
<223> a, t, c, g, or other

<400> 355
gaattactat acagtaaaaa ttcaatactg tatatgaccg acacgtatta agcatacata 60
caaatgaac ggattgaatg ttcaaaaacn aaggtaaaaa taaatagcaa tgataaaact 120
ttgnaaaaaa taatgcacat tttagttgtg gaaaatatgg gtcttatata tacntagttt 180
atacttaata gaaagncatc tccttaaaat tgcncnaaac 220

<210> 356

PA-0020 US

<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1297646T6

<400> 356
gctctgtccc agagagacag ggccatccct catgtctgtt attgggttgt agataaaca 60
aagtataaat caaacaact gcaaattact ctgtctcttt tcctaataca tacagcaaca 120
gtcctcagtg gtactgcacc actctggaaa aaatgccttc aggttccttc ccatcccca 180
aggcagcagc aaatccttcg tgtcgcctcc tactggccaa ggcagccaaa gatttgaaag 240
tccttggctc gtagatggcc agatccgcta ggactttcct gttgagctcc acctggcact 300
taactaaatt cccaatgagc gctggatact tcagtccatg ttcttggtta gcagctgtaa 360
ttcgattaat ccagagggtc ctcatgttct ttttcttcag gtatcgggct ttggtgcatt 420
tcacaaaggc tcgaatcacg gttctgaccg ccaacctgta gcagcgattt ttccttcccc 480
ggaagtgtcg gcgtgcttca gaactcctgg atccgaaaagt agcggtcggt gacgcgattc 540
cgcagccaga gc 552

<210> 357
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1369303R7

<220>
<221> unsure
<222> 11, 23, 70, 117-118, 172, 195, 220, 247, 259, 270, 279
<223> a, t, c, g, or other

<400> 357
ctttgacaga ngtgaaggct ganacccggg ctgaggaggc cccagagaag aagagggaga 60
agcccaagtn tcttcgcacc acagcaccca gtcatgcca gttccgttcc actggannag 120
agctggagac accatccttg gtgcctgtga agaagaatgc cagcacagtg gnggtttctg 180
acaagtacaa ccttnaacc atccccctca aacgtcagan caacgtagct gctccaggag 240
atgccantcc cctgacagng aagaaatacn agccactcna cacaacacct aatgccacca 300
aag 303

<210> 358
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1395739T6

<220>
<221> unsure
<222> 48, 66, 68, 76, 127, 152, 168, 177, 185, 192, 306
<223> a, t, c, g, or other

PA-0020 US

<400> 358
aaaatcccat catgaccctg gaagccttta gaacagtttt atccttttnaa acacaggaca 60
catttntncc agtgcncaga atttcaagtt tacgtgggtc agcttaagaa gtgtatgttt 120
cacgttncct agaggacaac agacccaagt tntcactatg agaaaggnac agctgtncca 180
gcttnaatgg gntaatccaa caccaccagc tacctgtaca acagtaagat ggtcaatccc 240
tgtctgttac ccaacagggac agcatgacaa ggagagagcc cccatctgac ttaatagcaa 300
accaancctt ttattcttat ctctgctgct 330

<210> 359

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1430425T6

<220>

<221> unsure

<222> 368, 374, 417

<223> a, t, c, g, or other

<400> 359
agatatattc caggatatag gaagaatggc aaatatcggc ttttctcaga tatctttgaa 60
attattttta tgcgtacaaa acatgtagaa gatgcctctc gagatggctt taaaatgccc 120
agtattaaag ggggacaggt gcatggcagc taaatgcctc aacaagatca tgcagagagg 180
ggcatccatt ccctcccaag atcctaagaa aagggtacctt gctccagcct ggctgaaagt 240
ggagcaaaga tatgcatttt ctattggatt tagggtccta ggggtctgtcc tggggcacag 300
acacctaaga ccatggcacc ttctccccag aggacagcct gagggtaaag tataaattgc 360
tctgggagg aganacggag agaacagctg tgtctgcagt tcattgttgt gtgagntaa 420
gcagctctct tcctctctct gtgcttcatt agagggataa atactggta 469

<210> 360

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1443824T6

<220>

<221> unsure

<222> 21, 81, 162, 165, 196, 211, 231

<223> a, t, c, g, or other

<400> 360
gcaagttttt cacggataga natatggaac tgagcagatt ctttttttct acaaaattat 60
ggtataaaact tgctcaattt nctatcttat tgctaataaa ccttacaggc gcacagtttg 120
taaaataaac cccttaagga ctgaatgcgt agagcatgct cncngtacg agaaataagc 180
taaaaatgag catatngaac ctacatctgg nccaacacag tactgaatgc nggcaaacat 240
gtatcacaac acagggg 257

<210> 361

<211> 335

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1482416T6

<220>

<221> unsure

<222> 322

<223> a, t, c, g, or other

<400> 361

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aaattttttt ctcacctgtt ttagacaaca gcttgtaata gttttgaatc cattaagatg 60
ttgcttttcaa tttgaaatat tttgtgtata catgtatata aaaaataacc caatgtatga 120
ctcatctgac cgatgtttta gatcaataac ggcttatttt tcaacatgca gtttaggaaga 180
gagggaagca agccaacctc tctacagtat ctttttgctg gcttggtttt gtagtggtat 240
caatagtggg ttttgagggg aaccatgtgc cttcagccta tctagtcaag atcagatacc 300
acgatcaaca agagcggtag angagatggg gaaag 335
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<210> 362

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1518133F6

<220>

<221> unsure

<222> 10, 176, 359

<223> a, t, c, g, or other

<400> 362

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gttgcttttn tctgccaaaa ggagcctaca ttataaatgc acttattgaa ttcattagga 60
gcgaatatag gaaaagagga ttccaggagg tagtcacccc aaacatcttc aacagccgac 120
tctggatgac ctcgggccac tggcagcact acagcgagaa catgttctcc tttgangtgg 180
agaaggagct gtttgccctg aaacccatga actgcccagg aactgcctt atgtttgatc 240
atcggccaaag gtctgggca gaactgcctc tgcggctagc tgattttggg gtacttcata 300
ggaacgagct gtctggagca ctcacaggac tcacccgggg tacgaagatt ccaacaggnt 360
gatgctccac atattctgtg 380
```

<210> 363

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1556430F6

<220>

<221> unsure

<222> 36, 106, 109, 134, 145

<223> a, t, c, g, or other

PA-0020 US

<400> 363
cgcgctcaag cccatcctgc aggcgtggct cgaggnggcc gagggcgccc agcgcgagaa 60
aatgaacaag cctgagctct tcaacggcgg cgagaagaag cgcaangna cttccatcgc 120
cgcgcccagag aagngctccc tcgangctat tcgccgtgca gccccggccc tcgtccgaga 180
agatcgccgc catcgccgag aaaatggact caaaaaagaa cgtggtgcgg gtgtggtttt 240
gcaaccagag acagaagcag a 261

<210> 364
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1569648T6

<400> 364
gatgtcacgt tagattttgt cacaactgga tttagtggaa gcaggggaat caagtctact 60
attttctgaa acacacaaaa aagggatggg aacaatgact tacaactaag attgctcata 120
aaagaccatc agaaagatcc ctaaacaaaa gctaaatagt tacagttaat ggtaactggc 180
aagggattta atgcatttgc tgggtattaag tttcttatgg aatgaatgaa tgaacccagc 240
agcattttat gacacagctg ccagaacatc ccatagaaaa acaattttgt aggaacgtga 300
tggcaacaat cagcagccaa tatttctcaag agttcctaata taccaaaagc atatacaatt 360
ttagtctaga aaaataagtc aattttataa aattaagttt ttagatcgaa aagcaccccc 420
tttaacaggt acagagatac tgaaaaatag tcctaaaaat ctactaaat agttttacgga 480
gag 483

<210> 365
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1642853F6

<220>
<221> unsure
<222> 45, 191, 212, 218
<223> a, t, c, g, or other

<400> 365
tgacctctga catttttttt gacaacttta tcatttgtgc tgatngaaga atagttgatg 60
attgggcaa tgatggatgg ggcctgaaga aagctgctga tggggctgct gagccaggcg 120
ttgtggggca gatgatcgag gcagctgaag agcgcccgtg gctgtgggta gtctatattc 180
taactgtagc ncttctgtg ttctctggta tnccttntg ctgttc 226

<210> 366
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1663769T6

PA-0020 US

<400> 366
gcatagtaaa gacaaaaaaaa ggaaatgcat acataagaaa gggacactta gaaaggacct 60
gagataccta aatgtctgtt ctaaggaaca ctggaaggag ggaatgcaga tgcaggcagc 120
aggcctgggt ctggcttctg gcctgggttt ggagcctgca gaagctgctg gcatgctagc 180
tctacccagg gaacagctcc aagagggagt gttgggatga aggatcacac ttgggatagg 240
tgctgctggt accaaatgtg attttagctc cat 273

<210> 367
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1666209H1

<220>
<221> unsure
<222> 12, 59, 83, 91
<223> a, t, c, g, or other

<400> 367
gtcatgactg anctgaaggc aaaggggtccc cgggctcccc acgtggcggg cggcccgenc 60
tcccccgagg tcggatcccc acngetgtgt ngcccagccg caggtccgtt cccggggagc 120
cagacctcgg acaccttgcc tgaagtttgc gccataccta tctccctgga cgggctactc 180
ttccctcggc cctgccaggg acaggacccc tc 212

<210> 368
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1697901T6

<400> 368
tgacaaagca gcagtgaacc tctaaaccaa ttaataaaaag tcctctactt acaatccaaa 60
ccagtaacct catcattgtc cttatcccag gcaaggcaca gggttagaca gcagacagag 120
aaaacagaga acacagtcag aaagggcatc aacaggacag tgtcagacag cagtgcagga 180
aattttgcaa atctgattcc aggttgtaga cggactgtc tccccaccc cttcgttatt 240
aaacagggct cattacatgt ggacccagtt gtgggccatc cctgagattc aatgttcgct 300
gcttctccac atggaggatg tctggtaact caactcagca gcaggctgtg gcaatctccc 360
aagtaaggat aactttgttt acagagtaat cgtttcctcc tcctttgtca acgcaagtcg 420
ctgtgtgctg caggggaaga cacgcttgct tcctcctgca tcggtaccat tctcctttat 480
tgttcaatat ctatgagtga tttctagatg ttgtggctta cccttaaaca attcatgcta 540
aaaatgaatt aaaatacaag acatttatac atgtacaaac aaatgttaag atgcaccatt 600
tctatgtatt 610

<210> 369
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

PA-0020 US

<223> Incyte ID No: 1830604H1

<220>

<221> unsure

<222> 28, 45

<223> a, t, c, g, or other

<400> 369

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gtgaggtggtt tgagggcata tgtttganag agggagcatc accanaggaa tcctttctgt 60
gaggtggaaa cagtggtcct gaatcattgt gtcacacac aacttgaaat ctggtcttac 120
tttcatgctg ttatgatttc acctggtgaa tcagtggt 157
```

<210> 370

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1867862T6

<220>

<221> unsure

<222> 499

<223> a, t, c, g, or other

<400> 370

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ggattgagca taaaccctc caaaaacaat ttttaaaaaa cccaaaaagt acacaaaaaa 60
cccctgaata caaaatctaa ctttttcccc cagcctccct aagggttaagt tactgacttt 120
aaggcagcta ttaatagatt gcccacaaat tccaggtttc aatttagcca atataggaca 180
tatcaccaag tgagctaatt cacagcaatg cacacaagac tcctcaaggt caggcacaga 240
gtggggggtg gtggccaggg ggaattgagg gaggtctctaa gctaggggca ctgcatgggtg 300
ggacaggatg gccccttgag gactgaacct tggggagaag acaaacagta ataataaaaa 360
caaataacaa gtactttaag aatggattgt atgacctata gtgacagatg acatcactaa 420
tactgaaagc ttcttatatt aataattttg gcaaaatgtc attttgtaat atagtatatg 480
ctttccagggt gtggggggtng taaagtaatg agggccaaaa tcatcctgcc ccaagactaa 540
tatcttctaa tgggtgcatta gcaaggaag 569
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<210> 371

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1890182T6

<220>

<221> unsure

<222> 435, 449, 473

<223> a, t, c, g, or other

<400> 371

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ggatttttta cgtttttttt caatgctttt ctttttctgt cttttttttg gtgaaaatac 60
ttgaccatct tcagatgttg tctctatggt acccctctct attccaacat catcctottt 120
ctttttctta attggtttct tttgaattct tgctttcttc ttgttttcat catgagctcg 180
```

PA-0020 US

atcagatgtc tctcgatctt cagactgggtg gtgtcctata atgtcctgtg cagcattctt 240
tgagctttcc aggatttctg tctgttctct ctgtttatct acagaagaaa ctttctcctt 300
gagttcctgt tcttcgtagc gccttgaact ctctttcctt tctggtttac gatcctcctc 360
tttccatcta ccctgtctgt cttctgtgag gtgcgagggg ctaagagAAC gagattcttg 420
aggtcgtaca acttngctca agagtctgng gttttcattt ttaacatctc cantgttgta 480
ggcaacact 489

<210> 372
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2072691T6

<400> 372
gagaggataa gtttctttct cagagtgtgc tgcagccaga cataatattt ctccttgga 60
gaaactctgc tgttccaatc atacatgtag ccattgagtt caatgtgaag atccaggagt 120
gggcgttttc tttcttgtct cagtttctgg gagaggcact gcaggtagag ggacgggtgag 180
ctgtgagact gctccagcag ggacatgtcc gcagtacaca ggctccagaa gaagtcagct 240
tctcggtgaa ctgtgcacag ccctcgcttc tgagccttga attccacatt cttcatcgct 300
gggcccattc acctccaaga aggctgctgt cctccagctg 340

<210> 373
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2176527T6

<220>
<221> unsure
<222> 153, 177, 188, 224, 261, 276, 315, 346, 362
<223> a, t, c, g, or other

<400> 373
cacattcaat atggaaactc aaagaatact ttccacctga aacaattaaa ctagattcta 60
ctagcatata atgcttaaca cattacagca ataaagatgg taatccattg tcttctatac 120
ctactaaagc caagatggta aagccaattt ggntgcaata gtgtcataag ggtaggntat 180
taccatcnaa aaataaaaca aaatcagcaa ataacagtaa tggnatgatga atatttttac 240
tctgtttcac tgaaaagagg ncaaaatgtt aaacnccac agtactgcag gtgaacaatc 300
cccattgtaa cttcnccata tgatgtttta atgttttatt cctggnatgt aaagactgga 360
gnct 364

<210> 374
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2204560T6

<400> 374

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gaaaagtcct caacgtcctg acgggactcc cctgaagcca aggcagtttg agtccattca 60
ttattctgtc ttggatctta ggcaaaagccc cgggcccctt ggagcagcac cagggttccc 120
gacaccccca ccgacagggt cgaacgtgca caggctggga ccacgccgga gttcattgag 180
ccctcgtggg ggagggcagt tccagggacc aggaaggga tcccgccag tgtcaggtta 240
tccacctcgg gcagctcgtc aggtcgcggc gccctgttca gtctgttgca gctgagatcg 300
agcactctga gcttggctgg cagtccctta ggcacctgtt ccagcccagc gaacgacaga 360
ttgagggagt tcagggcgct ggaccacatg catctcggag cgctagggtt tacggtggcg 420
cgcagaagtt tgtggctgag gtctaggctg tggggctgca cacctgccgc cgccagtgcg 480
gggcacacgc ctgtgggcgt ctccattcct gtgttgcgca cgctagattt ctggatgggc 540
cggaact 548

```

<210> 375

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2233159T6

<220>

<221> unsure

<222> 193, 209, 240, 257, 270-271, 362, 382, 496

<223> a, t, c, g, or other

<400> 375

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cagaaatata gttgcgagta tacaaatggt ccaatagaag caaaatatct ttttaatat 60
taacaagtta tcacagatag ctaaaaacat agatgcaaat gaaattcccc cagagaacaa 120
actgaaaata tctggtatca gtgctctgaa atcccaacta tgaaagccat atacacaaaa 180
atgtaaccct tanatcattg caggacaang gaagaaggca gttcagtggg cgatcagtgn 240
gtcgaagcaa ataacantaa ctaaaaattn naaatggcag aatggtagct aaaccacttg 300
agaacagggt aatgaaatta ttggtactat acttaaaaca ttaagtaaaa gaagtgaatg 360
anactcattt aaagttgtca anaaattagc aactacttgg agcttatcaa ttaaaaggca 420
acaaggtaag cagacacatt cattagatca aaagaaatta gatcaagttc actggaatca 480
gtctgttaact actcangtca caatgacttc agt 513

```

<210> 376

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2242627H1

<400> 376

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accagcaaca acattcacag gtctttgtgc atcatgatgc agctagttct gtgggtgatag 60
tctttgacac agataaccgg atatttggtt tgccaaggga gcttgtggta actgtatcag 120
gtgctactat gtcggcattg atcctaacag cttgcattat ttgggtgcatc tgctcaatca 180
agtctaatag acacaaggat ggctttcatc ggctcaggca gcatcatgat gagtatgaag 240
atgaaa 246

```

<210> 377

<211> 369

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2326810T6

<220>

<221> unsure

<222> 367

<223> a, t, c, g, or other

<400> 377

aagatataga	catttgaatg	ccaatgtcctt	attctggaga	gacactggag	ctgaagttca	60
acaatgatca	cacttattac	ctggcaataa	aaacacaacc	atctttccag	tcagggtcaaa	120
atctctact	ttttgccttt	ctaccaattc	ccaaacattc	acagtttttc	aaggaccact	180
aataaaatac	aggaagcttt	taaagacagt	aagagaacac	ctagtgtaa	ttagggtgaat	240
taaagatggc	aaaggagatt	acatcctcaa	cactgacagc	ttccaagact	tagaaaagag	300
attgttcctt	gcttctaaaa	ttgtctattt	tccctgtagg	aatgaaagt	ttttccttac	360
aattatnaa						369

<210> 378

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2383611T6

<220>

<221> unsure

<222> 535

<223> a, t, c, g, or other

<400> 378

tgcttggttt	atactacata	attataagta	agcaaaatag	tatgacttct	tttgactaat	60
ctactcctaa	agccttgagt	tgccgttcaa	tctcttcac	tgagattgta	gcctttgaag	120
tagaggcaga	tggtaaagctt	cgagcagctg	atggagcttt	ggccatcttt	ccagaaattt	180
caattccaat	ttcatcaaga	acttgattca	caatatcctg	gctttcttct	tcgtcatcag	240
aaccgtcaaa	gatgtcatca	agtgtatcat	tgatcatttc	ttcagtcatt	tccattttca	300
tgttttcctt	ctggaaattc	tgcatgtgtt	gtaatgtcct	ttgtggatcc	atcttcttgt	360
taactgcctg	cattgttttt	gctgtggtag	acattgctcc	agccatcttc	atttgggaat	420
tcatcacttt	tgtttgtgta	gacatagaag	taacttttga	acttacagca	aaagtctctg	480
tottctgttt	ccgtagatgc	acaagttggt	tggctaaaaa	ctttgcaagc	ttcntatta	540
c						541

<210> 379

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2478839T6

<220>

PA-0020 US

<221> unsure
<222> 234, 468, 473, 483
<223> a, t, c, g, or other

<400> 379
caaagcttct ccgatacaaa atatttggtc atgtattcat aatttgcttg acatttccag 60
caaagcgaag atggcaataa caaaaggaac ttcttacaag agaagagaaa gacccacgga 120
gctccagagt ttctgttgga acaagactct tctgttttgc ttatatacag ttaagttcgt 180
ttagtgctctg atccagtgtc tgatgtaagc ccacgttctc ttctttggcc tggnaagtt 240
tctcttccag gtcatacaatt gtcttttcca gttttgcaac cgttctctct gcaaattcag 300
cacgggtctc agcctctttc agtttgctcag acagaagttt aatttcttct tcatatttgt 360
cctccttttc agaatacttt tcagatgcag ctccagagat ttcagattgt tagtaacatt 420
cttgagggtct tcttccaggt caccacattt tagttcagac acctccgnaa ggntcctctg 480
ccttctccag ctcacctcc agga 504

<210> 380
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2498039T6

<220>
<221> unsure
<222> 243, 390
<223> a, t, c, g, or other

<400> 380
acaaatgcag acaggctagg acatgggtact ggggtggagga cggctagctc tttggaaagt 60
gaaagggttg ggtggcgtgg gcctcatgcc acactgattg gtcagtagac agggggcaca 120
tgccaaacac cacagggcat cagatgctgc tctgtgtgct cacaagtgtt ccctgtctta 180
tctgggcctt cgaagggagc acaccagaa gcgagcaact gaagcgaagg ggcttcctaa 240
ggngcccctt ccaggcttgt ctctgaagtc acagcaacac tgttttaagc agtatgttta 300
attggatgat ttccacaaac tatccacgaa gtttctaacc atcacaattc agtgaagtac 360
aaaacactga gttacaggct gtgggaagan aaggcagcac caatgggtggc accttctaata 420
actggttggt ctaggggcag ggacagggaa aggtcttttt ttaaaacaa gccctcatt 480
tcaatgt 487

<210> 381
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2553130T6

<220>
<221> unsure
<222> 223, 274, 326, 380-381
<223> a, t, c, g, or other

<400> 381
caaaataaaa aagggatcaa tcaacatata tcttagaagt ccttccaaga gtcttggtat 60

PA-0020 US

gcaacagcca tggaggctgt gacctttttc cttcttttct cagcctgcag ttcatttaag 120
gatcacgga gatgactcgt gctctagttc ttaaaatcaa acttggtctg ccaaatacaa 180
gaccctgaat ttgtccaaat tgtagaaaca tgcttttacc acncgtccac caaaatacct 240
cccattcaag tcaacaaccg ctttaattgc tgantcaact ctctcaaatt ctaaaaatat 300
ccgtactgct tcatcatcag gggcancagg aatttcaaatt atcacacatt ttccaacttt 360
gccatatttt tcacattctn ncttgggttc aacttccaag tcttcatcca cctct 415

<210> 382

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2652321T6

<220>

<221> unsure

<222> 444

<223> a, t, c, g, or other

<400> 382

ctatttcgta cttggggggtt gggagctcaa tcttcaggga aacagaaaaa agagagaagt 60
attcatgtaa gtaggagatg agaagcagag tgagaatcac ttttaggaac acagattggg 120
agcagggtaca ggagaatcct gggtaggatg gaagaatgac ctgggatggt tttggagcta 180
gcctctggaa tccttttctt tgaccatggc catcagcacg agggcactga ccagcacggc 240
atacaagggtg gccttcccta gcaagatctc atagaggatg gtggcagaca ggaccccttg 300
ctggtaagac tcggagggtga agccacagtc tgctctaccc caggcctcgg cgctgacgat 360
ctgggtgaca ggtttggccc tatcctgggt ccactcgtca ttctccgaga gccgtagaac 420
tggaacttgac agcggaagtg gttncggggg ttctgccaga aggtggccga aaaccctcag 480
gcggcttctc aggcagtatc tggagtcatt gagggcgggc tgctccttga ggggct 536

<210> 383

<211> 122

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2729382T6

<400> 383

cattaaaaaa actgaaaaaa ttaaacttaa tatatataaa atatatttaa tttgcaaaaa 60
tgtgaaaaat ctgcctcatc cagtaaacag tcaactgaaat ttttaattaag agtgcctctg 120
ag 122

<210> 384

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2766696T6

<220>

004354-1059

PA-0020 US

<221> unsure

<222> 393

<223> a, t, c, g, or other

<400> 384

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aacatatcaa tttgctttgc agagcaattt acataaaaaat tcatgatgta taccaacgac 60
agcatagcat tatctacctc agtttgtgaa gcatcctttc ctacagatct cagcaaaacg 120
cagagccagt aggggaaatt caagctttca tttgggggccc tctgggggtcc tacctgctgg 180
cagttctttc agcagaaaagt ggggtacggg ggatgctgaa gagggggaag tggaccccat 240
tgccgtgtaa gtcccatctg tctcagtttg aagcaacacg ggaatttcca ttggaggagg 300
gttgccctgc cggcctggcc cttctctcac gccccctcta cttcagctac atttcttatg 360
catgttcttc aaagctgtga aaatcaatac aanaaaaaact gacctttact tcattcctgt 420
aacaggctat caggatctca aggag                                     445
```

<210> 385

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2783918F6

<400> 385

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cttctatgta ctcatttcac ttttacccaa ggattatttt taagttattt ttgtcgtttt 60
cacacttcaa acataaagac aaaaactatc aaaaatatat actgtgtttt acatatgtgt 120
ctattttcac acatatatgt atgtatgttt atatgtatgg aaactacaga agcacatgtc 180
gccaaataaga gctctgagac acctttgacc acttaccctt atcagatgag atttgccaaa 240
tgagttgtgg aaacaagttt tttaaactga atttctgagc tttgtgaatt tagaaatgca 300
aaggaaagtt tgtggacatt tacagggatc atggttttat tgtcctttaa actcttcgat 360
actttaccat tgtcttacta taaatccaaa atcctaacgc caccacagag gctttcaata 420
cctggcttct tgtgatttct ccaggctaac cttttaccct ccttcccctc agcctctctg 480
ctttagttaa ctttctccta gttttttgaa gaagttcatc aattcaagct tttgtacatg 540
gga                                     543
```

<210> 386

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2822377T6

<400> 386

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ctgaaaagat tttttcttgc tttaatccta atatgctaag aaaagttcat tggcacaaat 60
atccagaggt attttacagt ttcatattacc tttgggtggca aagagtattt tgctaaccgt 120
atggatacag tcacatagtt tccaatgcac agctttatgc taaagagaat tcaaattgtg 180
ctcttttttt tgctaaaaaa gggatgtaaa aagtccaata tgaaacagaa cgagtgcac 240
acgaaataca aaatatgcct atcatgtagg cttttgaaca gttaatagct ctacgtgtta 300
tctataaaca ttttttacta gtaacatcac tattgtataa atattaaaaa caaaaatgac 360
attaaaaaat agcatatgaa ctttacaaaa atggctactt ttagtcttcc taaactaaaa 420
tcggattcaa atacgcaaac aaatctacac taactaatca aaacacacca a                                     471
```

<210> 387

<211> 641

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2835582T6

<220>

<221> unsure

<222> 212, 218, 226, 571

<223> a, t, c, g, or other

<400> 387

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aggacataca acacgcccag atacacagca tagcagggcc tcgataatga gataatttcc 60
ccccacgtct tgagaagaag aatactatgt atttctttat gaacactatt aaaaaaaaaat 120
aaacccctca caacattctg caggacctag agcccaagag aacctactga agatccatca 180
tctgtgggat ggcgagggca gtctctgggg ancaggangg aatgtncaca gccaggggag 240
gctgcagcag ccttgccctct gccgtgaatg tcaggcagtg acaagcagca ataaggggaa 300
agaggggggtg gcagcagtggt ttggcagctc ttcagcaatc ttaatcataa attcgggtag 360
gatccagttg gtggcattgc cgggggggca cagaggtggt agcagctttc acctccttgg 420
gggtgggaga gttccctctg tttggagagg gagaagaggg gcaatgcaga ggaaggagcg 480
agggagcaca ggctgtctta caatcttgca gatctcagct ggaccacagc cgcagcgtca 540
tgagcagatt aaaccgggcc actttcagga ngagattcgg aacccaatca ctgacaggtt 600
ttgaaagttt aggttcgtaa ctgtttcaaa gctttctcga c 641
```

<210> 388

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2837720F6

<220>

<221> unsure

<222> 240, 255, 277

<223> a, t, c, g, or other

<400> 388

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tgtatccaga gaccaacaaa accaaaaata aaggtgttta tagcagcaca aatgagctta 60
caactgattc cactccaaag aaaacacagg ctcacacaca gcaaaatatg gtagaaaaat 120
tttctcagtt accattcaaa gtggaagcta aacctatgtac ctcaaattgt agaattaata 180
ctttcagaac agtgccaata gaacagaaac atgaagtctg gggttcaaac cagaactacn 240
tttgtaacac agacnctgga aactgatggc ctttcanctt ctgttgccct tccaagtccc 300
aaaga 305
```

<210> 389

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2935837T6

PA-0020 US

<220>

<221> unsure

<222> 48, 61, 231, 314, 390, 400

<223> a, t, c, g, or other

<400> 389

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aaaaaatgct cagcacatta actcaaaactg gaatgacaaa cgttaggntg acagtttttg 60
ncaaaggctg tgccttgctt ttttaaaaaa tgggtacatc aatgctcatt ttaacaactg 120
gcataaaatc ccactaattg gctaataaaa acagatacaa atacagaaca tttaaagtaa 180
taacaattca agtgctgggc tttttacaac aagggggtga taaggaaaga natgaaaatt 240
cactgcaaac cagtctgctg aacgcatctg ttaagggtta ctgtttaaaa aaagaaaaga 300
agaaaacaga aganaaaata aactgaaata gggctgccaa ttgctaccaa cagagtgggt 360
ttggctatta cttttattta gctctactgn acaccttacn agggcgga gaagccactt 420
tgttacaggc aattcacaga gaagccactt accagacaag ctgtctcaga aaaagaaggc 480
ttctttttat ggtcattatt tcaaactttt cc 512
```

<210> 390

<211> 592

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3137077T6

<400> 390

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tttgggtcaag ttgtttccat taaaaagtag tgattttaaa aactaataac ttaaaactgc 60
cacacgcaaa aaagaaaacc aaagtgggtc acaaaacatt ctcttttcct tctgaagggt 120
ttacgatgca ttgttatcat taaccagtct tttactacta aacttaaatg gccaattgaa 180
acaaacagtt ctgagaccgt tcttcacca ctgattaaga gtgggggtgc aggtattagg 240
gataatattc atttagcctt ctgagctttc tgggcagact tggtagacct gccagctcca 300
gcagccttct tgtccactgc tttgatgaca cccaccgcaa ctgtctgtct catatcacga 360
acagcaaaagc gacccaaagg tggatagtct gagaagctct caacacacat gggcttgcca 420
ggaaccatat caacaatggc agcatcacca gacttcaaga atttagggcc atcttccagc 480
tttttaccag aacggcgatc aatcttttcc ttcagctcag caaatttgca tgcaatgtga 540
gccgtgtggc aatccaatac aggggcatag cggcgcttat ttggcctgga tg 592
```

<210> 391

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3142624T6

<220>

<221> unsure

<222> 324, 331

<223> a, t, c, g, or other

<400> 391

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aaaataatta ccaacaatac attatgtaca ccattttacag gagggtaaca caaaccttga 60
caggtagttaa cttttcaccc cacatcactg aacgcttaac actcctggct gttacatgtc 120
acaggatacc actgggggtca gtcactcgaa gcacaataaa tataaaatgt ggtccttcca 180
tgaaattttt gataaccttc tccaaaaaacc ccacaaagggt gaggttttaa agaagttttc 240
```

PA-0020 US

tcagaatttc aatgatcttt ctcgtcccct acaaaaagtt cacaaaagca acaaaatgag 300
ggctgatcct accacaataa gacntttttg nccagg 336

<210> 392
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3294993T6

<220>
<221> unsure
<222> 519
<223> a, t, c, g, or other

<400> 392
aggctttgga cacttttagta gaacggaacc agggggtaag gtttccagag aagtcctaga 60
ggtatatattg tcttgctggg cctcatagat actatcgttt tgactaaaac tgtcaacagg 120
taggtcttga gtcccccggc cttctggagt gctaggggag ttggagttag aatttacaat 180
ctgaggagga tgtgagatgg gcagataggt tgaaggcagc ggtggagggg tggggatggc 240
agcagccgca gggggcagtg ggaggcctgc agccgatttt tcaactgggtg gattcaaagt 300
accatttagt gttgggtgga ctctgttcgt cagggtgagat attcgggctt ttttattcat 360
taaaggatca ataaactctg aatccaaaag ccgtttctga ggagaagata cagcatctct 420
actagaacat acaggagatt ctgaacggct ggtgcctgta gcattctgag acggatttag 480
ttttctagag agcactgact ccaatgaccg tctgtctant tcaactgtatc caggccagtc 540
tctttgaagc tctttaaaaa cata 564

<210> 393
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3820893T6

<220>
<221> unsure
<222> 57
<223> a, t, c, g, or other

<400> 393
tgtgacttgg gcaacgtggg ccaggagggc ctgagactaa cacatccacc tcggcanaag 60
gacatcaaat atctcttaca gtcggaaaaa acagcctttt gtgtatttcc ttagttttacg 120
aaatatactc gaaatgctat tattagctga atttgtgggt tccttttgag tttctgagtt 180
attcttattt atttttccca ttttgttttt gcaccaagga gaccggagtc aaataatact 240
cagcgactga tttcctctct ttggactgaa aaattaaaca gatactaaat gatgacagtg 300
aatttagaga gggctccaag ggcttgaaag aacatgtctg ggataaatatg gtgcttctaa 360
gagtattgca atcacatcg 379

<210> 394
<211> 462
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>
<221> misc_feature
<223> Incyte ID No: 1403970F6

<220>
<221> unsure
<222> 426, 453
<223> a, t, c, g, or other

<400> 394
tggccctcag ccttctctcc ctgaagtctg tggccagcaa aaatctggac tttacttcac 60
tctgatgctg aacaccccccc tccccacct cttccccaat atctcagatc ccaagcctcc 120
ctggtttgct tctaggaagc tcagcaattc cctgaaaaga atgcagctca agtgactgct 180
ccactttttc accttggcct ttgcggaagg ctgtggctgg gctaccctat gcatcgatca 240
atgaggtcat atttaccag tgcttggcct agaggcccaa gacaggtca gcagtgttg 300
ctttggctct agtttgggcg ttggttttgc agcctcagca tcagcacagg caggccctct 360
tctccagcag tgctctggct gatatttctt ctttttcca cagccaatcc cactaatcct 420
gatgangctg acaaagttag ggctgagaac acnatcacta tt 462

<210> 395
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2749575T6

<220>
<221> unsure
<222> 221, 243, 258, 281, 301, 324
<223> a, t, c, g, or other

<400> 395
catctccaaa aaaatagttt tcatctaaca attatgaaac aaatttgaaa ggcaggatga 60
ttcacaaat agaccagta gaggttata cttcatataa atgaaaaata tcagttctac 120
aatttaaag tttactttgg attttattat agaagaaaat atcattgtaa ttataaaagc 180
cataaaaaatt ggaactgtat tgtgaaatta catcaaggta ncagatttta tataaatgaa 240
cantaaaatt caattttnat ttatttaaac gtagttaaac nttggaagac aatctcccc 300
ntggggaaga aaaaaaaaaa aaanccttga ataataaagc cccaaaagcc acaccacaaa 360
a 361

<210> 396
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2753531T6

<220>
<221> unsure
<222> 166
<223> a, t, c, g, or other

PA-0020 US

<400> 396
cgatgccacg tgggccccag ctcacccggg tggaggctgg gagctgaaac cgaacccagg 60
caggagatgg gcgacggcgg aggtgcaagg cagggcacgg cgcacaagac gagggcggcc 120
gggcgggggtg gattagaggt cactctcgcc gtacagcgcc gtgganaagg acatgtagtc 180
cagagcacct ggcacggagt cggggccggg gtagggggcc atccgcgcga tgcagtactc 240
agcatggtcg ggtggcagct cgcggcgcac tcgtccatgg taatgtagtt ctgcgaggag 300
agagtgtgca agaaggccgc aaagtccag 329

<210> 397
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2875779F6

<220>
<221> unsure
<222> 214
<223> a, t, c, g, or other

<400> 397
cgggggcccgg acgaggacga agaggaaacg gcggcgggcgc ccggggagtcg ttgaagccct 60
ccgcgctggg ggccgccagg aaccattctc cccaagccca gaggcaggac ttcgcagcag 120
gatgggggtgg agagcccgcg ggagtgaccc ccacgagagt gaacgcccct cacactccca 180
ccatcgcccgg ctggccccgg agcgggaggc ccgnagc 217

<210> 398
<211> 131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 042222H1

<220>
<221> unsure
<222> 12, 22, 45, 50, 60, 77, 104, 106, 110, 117, 126
<223> a, t, c, g, or other

<400> 398
ctgaataaac anggagggat gnttctaacc cgtgcaatgt ctggnaacan taaacttggn 60
ggacaggact tcaatcngag attgcttcag tacttatgta aacngntctn tcaaacntat 120
ggcttngtgc c 131

<210> 399
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 088219H1

PA-0020 US

<220>

<221> unsure

<222> 112, 117, 133, 240, 260

<223> a, t, c, g, or other

<400> 399

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gtttctcaca gatcccaa at tggccatgga agtttatttt ggcccttgta gtccctacca 60
gtttaggctg gtgggcccag gcagtggcca ggagccagaa atgccatact gncccantgg 120
gaccggtcgt tgnaacccat gcagacacga gtgggtcggga gacttcagaa gccttgcttc 180
tttttccatt ggctgaagct ctttgcaatt cctattctgt taatcgtgt tttccttgtn 240
ttgacctaat catcattttt tctaggattt ctgaaagtta ctgac 285
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<210> 400

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 149812T6

<400> 400

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tgaataccct tatcatattg ctttaa atga cagaaagatt aaagctggca tcctctatag 60
tatactaagc atgaatgtaa agtatgagaa taaataggag actttcctaa atgtcaaatt 120
acaaaaccgc tcaaaacttt gtaattgtga ctcattgcaa taccttgta ggtcaactta 180
atattacaaa tactgcatca gctcgggtacc tttatatccc ttttcataaa aaagaaattc 240
tcaactccact cctgaagcca gcaaacagct ctggagggaat tacctgtaca cccaagtgcc 300
acggctcactc tggaatttta atacacacac acacacaccc ttactcatga acatacacat 360
tttacaacaa cacaatgggtg tacacacaca cacacacaca tccacacaca ccccatcttt 420
aggatttgta gctgattcca agcctgcact tatttctatt ctatattttt ctttgatatca 480
tcctgaaaca cactggttgc tcagcaaaaa ta 512
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<210> 401

<211> 592

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 182514T6

<220>

<221> unsure

<222> 320, 352, 426, 428

<223> a, t, c, g, or other

<400> 401

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tattaagggt ccttaaaaaa ataacttata tttaaagccc tttctctctt gccctctttg 60
atatttaagg tatacaggat ggtgaggggt gtgccaggac agtaaggcag ggggctacag 120
tgggcagagt agctagggga gtcaggcgga caagggtttc agtcctgctt ctacagggca 180
agctattttat cctctctgaa ggtttctgta cctgagaaat gggcacttcc atgccacct 240
ctcaaggata ctgtgaggag ccttgcccag agcctgtgtca tggtaggagc atgtcagttc 300
atccgcctaa agaaacagan tccagggcct taggctggct caaggggcag angaaaagac 360
aatggcaata agaacctctg gagcttaaac caaaccactg atgccaggga gccagccagc 420
caccntncc tgctgcagtg tgtgacggga cacacagatg cccctgcgcc cggctcctct 480
ctatggagggt ttaagcatct cttgagcagt tacacatcac ttgcccttc ctctcacctt 540
```


PA-0020 US

<400> 404
tgatgaaaag aagttttata taccatataa acaagatttg tcagatttga aagtgaaagt 60
taaagtaatt tacagttagc ttttaaccct ctcgggacat ttagatacat cctgataatc 120
catcttgtat tagtgtgtgt caattttaca atacactggg gaaaactcag ctattgtatt 180
taacggtaca gtttcattta tcaagtgttt cccattaatt ccattattag tgacagctaa 240
caagtgaccc catcaaatga agtgaatgac attagactgt ggcagagtaa accacatctg 300
gattgctttc tataattcac cagtttgcag gaagtaaaca ttctttgatt tgttcataat 360
atactgaagt tacctataac actggtgcag taacacagct agttcctctg tattgttatg 420
gtagaacggg attttgtaat ataaagttaa cagggaaaaa atgctcacac attatgtggg 480
tgaactttat ctcacaaaaa gagct 505

<210> 405

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 927392T6

<400> 405
caccaactag gtcacaggga atgttaatta aggcaagata ggtagaagga aaggagggta 60
tgtacagcaa ttgctcctct ttacggagaa gagaacctgc cacagaacaa gatgcagttg 120
gttttgtggt gcctgatgaa gaaaagaaaa ggggtggtctg cacagaatct tggctccatt 180
ctgctgcacc ggaattcct gaccacagca gtggctgcgg cagcctctgt gccttcctca 240
ttgacctcca cgaagcactt gtgggcaacc ttggacagag gcacattctt ctcagttgac 300
attccagaaa agtctgcctt ggcttcgtca aaagcatcga tcattcctaa tcttcgaagg 360
aaaggctcca agtcataact ctctccagc tttaatctgg gaaggaaaac ttgaacctta 420
ctttttgtca acttttctga atttgtccag gctttgaatt tctcatatgt aagtgctttt 480
tccaccacgg cgaaggtccg tgttgtcatc g 511

<210> 406

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 936419T6

<220>

<221> unsure

<222> 144-145

<223> a, t, c, g, or other

<400> 406
ataaaggaaa acaaaaaaca aaaaaaaca aacaaaaaca aaaaaactta aggtatgttt 60
cctgcaagca aaatggagaa aaaggattaa ttgttggtac tatgattatt aagccacaga 120
cacataaaat ccacaaaatg gatnncggc tttagaaatg caataccgta tcaaagggtgc 180
agactgtttc aaatgttctc tacatatgtg gctgaaacaa gaaccaaacc aaacttcaac 240
cccacagcg acgcaatgct cctgtgacct tggtgaaaac atcgtcgtga ccagctagat 300
ccaggaatcc ttctctagag acacgtggaa acgtc 335

<210> 407

<211> 347

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1268604T6

<400> 407

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atggtctcat cccttctttt catagttcct tcctcttcct catcctctgc attgatcacc 60
atggtgccca gttgtgatgg caacgtgtca tcgtgctcaa tcatagtatt ggctccatca 120
gtcatggtgc tggctactcg gacagtgcc atctcatcac ccactgctcg aaccatcgtg 180
ccagaatcca ttcatcctc ttctgagttt tcttcatcgt cctgggccac ttcccgtgc 240
tgggattcct ggcgtttcag ttccacatcc atggcttcat taattaagtc tcgcagtatt 300
gacactcctt tggcactcct gacaaatggg tgctgcagga gctgagt 347
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<210> 408

<211> 227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1290504F6

<220>

<221> unsure

<222> 101

<223> a, t, c, g, or other

<400> 408

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ggcttcggga gcgcccgggc tgatccgagc cgagcggggc gtatctcctt gtcggcgccg 60
ctgattcccg gctctgcgga ggctcttagg cagccgcgca nttccgtgtt tgctgcgccc 120
gcactgcgat ttacaaccct gaagaatctc cctatcccta ttttgtcccc ctgcagtaat 180
aatcccatt atggagatct cgaaacttta taaagggata tagtttg 227
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<210> 409

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1314775F6

<220>

<221> unsure

<222> 23, 77, 144, 155, 157, 164-165, 177, 184, 297, 304, 315

<223> a, t, c, g, or other

<400> 409

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ccgcagcccc tttctcttcc ggntctaggg gcttcggggag ccgcgggctta tgggtgcagac 60
atggccaagt ccaagancca caccacacac aaccagtccc gaaaatggca cagaaatggg 120
atcaagaaac cccgatcaca aagntacgaa tctcntnagg gggnggaccc caagttntctg 180
aggnacatgc gctttgccaa gaagcacaac aaaaagggcc taaagaagat tcaggccaac 240
aatgccaaag ccatgagtgc acgtgccgag gctatcaagg cctcgtataa gcccaangag 300
gttnagccca agatnccaaa ggggtgcagc cgcaag 336
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[illegible]

<213> Homo sapiens

<223> Incyte ID No: 1347582T6

<223> a, t, c, g, or other

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ttttattata	gcattctacag	tgtctggaaa	aggatgtaac	aataaataac	tgtagacgca	120
tcacgagaca	tccatttact	taatcacaga	agtggatctt	gtacatagt	tttctcaatg	180
tcttcattct	tcagattctc	caggcttacg	aatgtcatca	atcttcaaaa	tcattctaac	240
catttgtgtt	gcaagagata	tctgttgctt	tttgccaatc	aaggtttcta	tgacatgctg	300
ttgcttcata	tcatttgttc	ccttgtgcaa	acagtcgatg	ccaagagcag	ggttcactcn	360
cttcacctgt	ctggctcgga	cttcgggtcat	agtcgggatg	gggattcatn	gccactgggt	420
ttcacagaaq	ggccatgg					438

<213> Homo sapiens

<223> Incyte ID No: 1395143T6

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gctggggcct aatgttctca cataacagta gaaaaccaa attgtgtgc atctcttcaa 60
agaatcgaga attgcgtaca aaaaaacctt acataaatta agaatgaata catttacagg 120
cgtaaatgca aaccgcttcc aactcaaagc aagtaacagc cc 162
```

<213> Homo sapiens

<223> Incyte ID No: 1507333T6

<223> a, t, c, g, or other

aaaattgctg ggtttagctc tcagcagccc gtccttgagc tctgaggaag cttgcocttct 60
tttgagctac ccgatccttc ttctgagcaa gggacatttt gggacggttc cacctcttct 120
ttttaacttc tttcttgggc ttcttttcat agactggatt ctctcgata gcagcatgag 180

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ctttcttata catctcctcc atcatgtctg gagttacgct gttctttatg tattgagaga 240
actgtttctt gtaagcatct tcatcttctt ccattaagta gcgcatgtaa tctgnaacat 300
tctgggccat gatgtgcttc cgatgtactt ctgcattaaa ttccttgct 349

<210> 413

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1517479T6

<400> 413

gtaataaaat aaatttaagt ggcacctaata ttaacattta aaatagttca ttaaaaagata 60
atctacaaaa caatggtatg cctaattgtc aaaataaacac cttttttttt tcaagaaagg 120
agaaataaag gcataatcaa aattatggct aacaacgtgg gttcattttg acacttacag 180
atgattctgt aggcataatcg gcaggcacga tgttgaaaac caatccacta gatttaaaat 240
taatggtaag ataaaaaaga aaagatacac atttcagagg taatgtttga aattaaagaa 300
aaatatccac catatattac aacagatctt ttaatgacta tttttaacat aaagattgtt 360
gttttgaggaa acatctattc tctttgaaca tttcactaaa ttttcaatgt attaaataac 420
tgacagaaat aagttctgtg ttctgtacaa attaaaggtc ccatggaata cataaccccc 480
tcccagcccc accaaagctc aattttgcat ggtttcagca gaaa 524

<210> 414

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1701950T6

<220>

<221> unsure

<222> 98-189, 240, 246, 263, 279

<223> a, t, c, g, or other

<400> 414

aaagataagg aagttgggtg tgatgtttac ttctctatga tgatgcttct caaactttca 60
tgtgcataca actccttttg atctcatcaa aatgtccnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnt ggagtacaac acaaagaggg ttcacctgg cctttcctgg gtcattgagan 240
gccttnttca gcgttatctg gcntctccca agcacaatnc ccaagcaaaa aggtttcgat 300
gc 302

<210> 415

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1730294T6

<220>

PA-0020 US

<221> unsure
<222> 522
<223> a, t, c, g, or other

<400> 415
gcagggaagg gtcattggctg gagggtaggt ccagggtggc cgggctctgt gtctggtggt 60
agggtgggct ctggagggtg agaccgggg gctgcctagt gttcgggaac gcagcttccc 120
gtctgcaggg gcgtgaaaat gtcctcctcc gagagtccct tgcgctgcac caatttctta 180
aatttctcca gggcctcccg gttggtatca gaattcctac ccacaagctt tcccatgtgg 240
agcaggcccc catggtgctg gtctttgcag taaaagatgt agtggtcctt cctgggcagc 300
tcctgcagggt acatgagctt cctgccccca taggcgctgt atttgccagg ctccctccgtc 360
ttccgcatca ggattttctt ctggatgcac cgatcctccc tcatgaagggt gaacgtgggt 420
tccaacttcc caccgcccag ggctgtcacc ttcactgggg acaccttctt gggcctcctg 480
tcctccggaa agtccttatc gaccaccatg gccttcacgt ancaggtcct gtgatatcct 540
cctcctccaa ggggtgaagg 559

<210> 416
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1730609T6

<220>
<221> unsure
<222> 97, 244
<223> a, t, c, g, or other

<400> 416
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taaaaacctt ccccgctgtc atttccacag atggggangg ttttcaggca gccctcccc 120
ctcccccat agagctacat gcttcattcc aggacgtctt gcttccccac atgctgcgggt 180
gctttcctac cagggttagag ttccaaactc caagactgaa gtacacaaag aggggggtggg 240
tgtnggatgc agagtgtgtg gcctgatgct ccacggcgtg caggacgggg ggctaatagt 300
aggtttcctt ctccaccag ccgccagggc gtcgcctgat gatgagtttt ctgacttcgt 360
catatacgaa gatgagaaga gagtagggga aggcacagaa ccaccaggta ggtttgaggg 420
gatacatcct aagagcaaca cccattccag ggcagtagga aaggaaagca gccaggggtg 480
tctcttcaaa gaggccaaat attcaagatc ttgttcttca tcccctgct 529

<210> 417
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1752762T6

<400> 417
tacagtagaa atgcagacca ctttgatag ctatggctcg atacttcttg gtgccctcct 60
cctaagacat cctcttctta cattccactg aacagaaaac catcccttct actggcatga 120
acttctgccc aatgaggcat ttgctgcagc aagagcacag aaagcactct gtggatgcat 180
gccagctgaa attgttatag gtcaccgct gcacttcttg gtcgatggca ttgtggcatc 240
cttgacacac cacagcgtga ttcttccatc agcagggtt gcacacgggc ttgtcattga 300

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ccatcacgta tatctcccca gctagaatgc tatcacagtc aaagcagcag aagtgtttca 360
gggtgccaaatt ctgggttttct gcctgggtat actcattgct gaatatcagc tcgtcacagc 420
cagcacatcg ggggttctcg ctggtcacag taatgtctgc cacagtatag ttctcattct 480
tccaaaaata aatcatgtca aacc 504

<210> 418
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1760583T6

<400> 418
tataatacat tggctcgtaa tttttatttc cacatggtta cacaggctga atgactagct 60
cacaatccca ggaggtatta taagttttgc tcttcaaaaa atgggtgttac tgttgtaagg 120
ggaaaagtcc tcaatgacaa agaaatgaca ctaatgaaaa caaaatcaag aacgatccac 180
tggtactgca gggtacagag aagctgtcag tgagcagttc cccacctctc gcaagcaaag 240
gggatcaagg gctaaaaata ccttagaaaa atcaaacagc acctgcaaca catgcttata 300
taaaggccaa acttgcaaatt tcttccttct cgtccatgct gcccaaagt gaaggaatta 360
catataaggc taaaatctgg cgaatcttct cacttcttcc tcttctttgt ggaatataat 420
ttttctgcga gtgggactgg gacaatccct tcacattctt ttagttcctg ggtcagaggg 480
tgtttgacaa tattccctc taatcacatc tatatctcga gacaagggtc tccaccatgc 540
tttcaacagc tgcggtg 557

<210> 419
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1888251T6

<220>
<221> unsure
<222> 415, 542
<223> a, t, c, g, or other

<400> 419
agagttttaa taagtcctgg gtgtctggtg ccaagggtgag ggaaggggtg ggcagagaga 60
tgaggggcag catcagtgca gctggcaggc agaaccctaaa ttctgcaggc ccaggacagt 120
gggtccccc ttctctgggg aacaggaggg gcctgtgtct ggccaggctg aggttccaga 180
tctgttgcca tcatggcccc ttcagggtcc tgggaaattc ctggcttctc ctaaatcagg 240
gtgaactggg cctccaggat caggctctga gcaggcccaa atatagtcct ggatctgcct 300
ggattagggt ccaatgtctg agtctgggtt ccagatcaac tccagacccc aggctggatc 360
tggtcccat ttagttctga ttcccttgg agctgggtc tgggcccctg gccancatct 420
atccttgtgt ggcattctgt ctgagctggt cctggggcac catgcatagt tagtgttctt 480
tggtggccca ccagggtggg gctgtccaga actgccaggt cttaactccc caagttccag 540
gntcttaact gggggcttct tttggatctc tggcaaggct gaggaca 587

<210> 420
<211> 62
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 2061030T6

<400> 420

aatggcagcg gtcttcatag gacagaggag tgagttctgt caacagacag gcgggccccta 60
ct 62

<210> 421

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2070387T6

<220>

<221> unsure

<222> 234

<223> a, t, c, g, or other

<400> 421

aggactttct gcttaaaata tttaaaattt acatgtgcac acaaacaaac acagggttccc 60
ccacccatgg ggaagggcga gatgactctg aataaaggat ggaggagaag aagaggggtgt 120
agacggaggg cccttgaccc ctacaggggc agcaggataa ggaatagaat ggggcagaag 180
gtgggttatt aagaagcatc ttgcttactg acatgaagcc acgtgcccag cganagcaca 240
gatgaggcct cattggcgta gaggaggccc ttggaagggc aggcaca 287

<210> 422

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2107288T6

<220>

<221> unsure

<222> 578, 584

<223> a, t, c, g, or other

<400> 422

ttacaaaaga gcattacatt ctgcacactg ctctgaacag atgccaggga catgtggact 60
attgttactt ttctccctg tcccaccccc caaatgttac agtgaccaca aagcaagggtg 120
ttcacaataa ttacatgggg ggaatttttt aaaccaccaa caataacgaa aaataaaatc 180
cactcactct gctgctgttt caaaattttca atgttagttt ttgcacgccc ttcccccccc 240
caaccctggt tgtaaggaac taaaacatta catctggtga acagcaaaga tttcactaca 300
cctcaaatgc agaacaccta tgaagcagag gaatgttggc tttttaaaca gaagcagata 360
aaaaaaaaa gatgcaggac tccttcagtt cttcactagt cttagaaaaa ctttccagaa 420
tactgcttca cactgttctg cagcaaatag tgtgcattct gtatctgggtc ctgtgttcct 480
gtaatggtaa tgatccgcatc ttccggtcct tctaaaggct catcaatttt gatcgaagct 540
cccgaactcat gacgggattt gtttaatccg ctgaccanct ttgncaataa tagatccagc 600
caaa 604

PA-0020 US

<210> 423
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2176305F6

<400> 423
tctaagatgg cgactgtcga accggaacc acccctactc ctaatcccc gactacagaa 60
gaggagaaaa cggaatctaa tcaggagggt gctaaccag aacactatat taaacatccc 120
ctacagaaca gatgggcact ctgggttttt aaaaatgata aaagcaaac ttggcaagca 180
aacctgcggc tgatctccaa gtttgatact gttgaagact tttgggctct gtacaacat 240
atccagttgt ctagtaattt aatgcctggc tgtgactact cacttttttaa ggatgggtatt 300
gagcctatgt gggaagatga ggaaaaacaa acggggagga cgatggctaa ttacattgaa 360
caaacagcag agacgaatga tctcgatcgc ttttggttag agacacttct gtgccttatt 420
gggagaatct ttttgatgac tacagtgatg atgtatgt 458

<210> 424
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2198796T6

<220>
<221> unsure
<222> 561
<223> a, t, c, g, or other

<400> 424
attaacatgt aaactcacat gtacaatttt actttttgtc atatatttaa atattttctt 60
atctgcagag ctatctcagg atatgaaatc ataacatgct agcaactagt aatttaacat 120
taaaacactt ccctaaatta ttccatggaa aagtgcattt acaatataaa catgtcatat 180
atgaagctac aaatcataat ctactggag tggatataaa atttcaaatt cagtccaaat 240
gagtcaaaga aaaaagtgtc aacagagcaa atctgaaaca agttcatggg gattgggtaa 300
tgagtcacatg aaacgaaatc ttttggaac catgctgcta tcctctggga tattctcttt 360
gtctttctta tcaccacagg ttccattaca ggaggattta gaagtcttgt cttcagagga 420
ccttacagaa tgatcctgag tttgagagga actggaagtt tcttcagggt gaaacaagtt 480
ttcaaagtc cactgctgta gccagaatg agaaaggcat atctctgctg ttgggtcttt 540
tctctgggat tttttactaa naggctctga ataaagtctg tgggg 585

<210> 425
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2345762T6

<220>
<221> unsure

PA-0020 US

<222> 120, 305, 331

<223> a, t, c, g, or other

<400> 425

```
acaaaaaagc caggaacacc ctacccaacc cagcccagtg taacagggtta gccattaaca 60
cagaataaag aaggtcccag ccacacacgt cattactcgg cagaggggtgt ccagcctggn 120
cggccgacgt cacagtggat ggccctgcgt ggctgggaca cagacaggga gcaggcatgg 180
caacctgcgc caccgagaag cagcaaggct gagcatgacc actggaaata aataaacatg 240
gtgccgacag catctttaa ttagtaagac gttagcacia aaacaaaaaa gcacaacgac 300
tgaanatgca cttgcttggt gtggtgggtt ntgcttgaaa acacctg 347
```

<210> 426

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2447063T6

<400> 426

```
ctttacaaac tatgtttttg caatatatgt gttacaacac acatttcctt atgaatgtat 60
ttgttaaadc tttttgcaga ggaagtaggg aaaagtgagg ggagaagagg aggaataaga 120
ttttagaact aatcgtcagc aatgggccta ggtatttggc aattatttcc tttacaaaaa 180
aattacaggt ttgtaacttc aaacatcaaa agtgtagtgc atcaatttaa ctaaaaaatc 240
agtgtgcct aatatattat ctgggcatca aatttccttt tttaaatata tccagattca 300
catattttta ctcttattaa ataatggttt taaataataa tcatcacaat gtttagctac 360
ataatcccag atctggatta aatcatgggt atatcgatat ttttaaattc caatttattt 420
gttaatcagt aaaatgtaat aggtgatagt gtgtccagag atgagcctcc tatgtgtgga 480
agacgtagtc ttattacacc tgctatcaat taggtcttta catagctgct aatgtatc 538
```

<210> 427

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2492212T6

<220>

<221> unsure

<222> 9, 87, 328, 330

<223> a, t, c, g, or other

<400> 427

```
ccccaaatnt gatgaaaaca aagttttata taccatataa acaagatttg tcagatttga 60
aagtgaaggt taaagtaatt tacagtnagc ttttaaccct ctcgggacat ttagatacat 120
cctgataatc catcttgtat tagtgtgtgt caattttaca atacactggg gaaaactcag 180
ctattgtatt taacggtaca gtttcattta tcaagtgttt cccattaatt ccattattag 240
tgacagctaa caagtgacc catcaaatga agtgaatgac attagactgt ggcagagtaa 300
accacatctg gattgctttc tataattnan cagtttgacg gaagttaaaca ttctttgatt 360
tgttc 365
```

<210> 428

<211> 305

PA-0020 US

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2542309T6

<400> 428
ttatgaaaaa atttttagtg cttaaaattt tacgatccat accatatctg ccatagtaaa 60
aattcatttt taacacagct aagatgataa ctcatagata ccacagtaac tttttttag 120
gtatttaaga aaaccatttc ttccttcttt ctccagccta atttctatga aaatattagt 180
gtctaataatt ttacatgacc cagcacacct tagtaaatgt aaacattcta aatgatttaa 240
tagcaagctt tgaaagttca gatttttaaag tgctcatgaa attctcaagt ggttttgtaa 300
aagtt 305

<210> 429
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2807227T6

<220>
<221> unsure
<222> 25-26, 68, 100, 107, 194-195, 200, 248, 278, 326, 347, 356, 363,
376-377, 379, 384
<223> a, t, c, g, or other

<400> 429
gcaaatacacc gcgatcccag attannccag ccggccgggt gcctccctcc cgtccgcctg 60
ggcagtttag gccaatcagc agtttaggcg cacagggtgcn ggctcanaaa gcagcagcaa 120
tctccggtgt gttctggaat cagaagttaa ggtccacgtc tgattagttc ccttcgtttc 180
attagacttg gctnnatgtn tgccagtccc actagagctt cgatttcaga cttcctatga 240
caggtttntt cacagaaaac tctggccacc aggatgcncg ctccaacacc ttgctttcct 300
gcaggacagc gccccagagg tttttntaga gctcgccgtc ggtctgncaa tcggtnagtc 360
canaacaaag tcacgnngng cgtnacgtc 389

<210> 430
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2878786F6

<220>
<221> unsure
<222> 259, 507
<223> a, t, c, g, or other

<400> 430
gcttcatatg atgttgtgag gaatgacata gatttcttta gaaatattaa atttaactac 60
tgcattcttg atgaaggcca tgctcatcaa aatggaaaaa caaagttgtc aaaagcagta 120

PA-0020 US

```
aaacaactga ctgctaatta taggattatt ctttctggaa caccaatcca gaacaacggt 180
ttggagctgt ggtcattatt tgatttcctc atgccaggat ttttgggtac tgaacgccag 240
tttgctgctc gatatggtna acctatatta gcaagtaagg atgctcgaag ctccagtcga 300
gagcaagaag caggtgttct tgctatggat gcgctgcacc gccaaagtact accgtttctt 360
ttgagaagaa tgaaagaaga tgttttgcag gatcttccac ctaaaattat tcaagactat 420
tattggactc ttagtcctct ccagggtcag ctcttatgaa gattttgcta agtctcgtgg 480
ccagtgtgat gttgatggaa cagtctntca gctacacttt c 521
```

<210> 431

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2926914H1

<400> 431

```
ggccgtacca ctggcatcgt gatggactcc ggtgacgggg tcacccacac tgtgcccatt 60
tacgaggggt atgccctccc ccatgccatc ctgcgtctgg acctgggtgg ccgggacctg 120
actgactacc tcatgaagat ctcaccgagc gcggctacag ttcaccaacca cggccgagcg 180
ggaaatcgtg cgtgacatta aggagaagct gtgtacgtcg ccctggattc gagcaagaga 240
tg 242
```

<210> 432

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3141751T6

<220>

<221> unsure

<222> 140, 180, 190, 289, 292, 320

<223> a, t, c, g, or other

<400> 432

```
tcaacattaa tcaagaaatt cctccatctg caaaagtcag cctatgccat taaatacagc 60
caagatcata aaatacaaat gtcattaggc ctactgaatc ttgagattca ttcactagaa 120
tacacagggg aaaggaaaaan gtttgccctt gtgaaagggtg tgtatcattt tttagaagan 180
cttctgaaan tctcaaacat ctgtgagtgt gctaagagcc gttacaaagg tatttttatac 240
aatctatgct gagtcagcta ggagttagca ggaggctgga tgcagatgnt anaacatacc 300
cctgcagatc tgttgttatn aagggatgac ctttgga 338
```

<210> 433

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3537363T6

<400> 433

PA-0020 US

```
catcctccag tttcttgatc ttggcctcag ccgtgacctt ctcaagttgc agcttctgcc 60
tggcagcttc ctctcctcc agctgttctt caaggtccag catctgctgg gccatcttct 120
tcctttcagc ctgtagctgc tggccctgt ctctcctc ctccaggcgg gcctccatct 180
catgcagtat ctctccagc tctgtcttct tggccgccag ccgcaccgc atctcctcag 240
cctctgcata cagctctgtc tctgcctgca gctgttctg tagcaggttc ttctcctcgg 300
gtcagctgcg agtgcttctg                               320
```

<210> 434

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3967402T6

<220>

<221> unsure

<222> 111-112, 185, 193, 196, 251-252, 257, 278-279, 283, 307, 338, 363

<223> a, t, c, g, or other

<400> 434

```
ccacagttca atcccctagc ctatacgatg ctctttcccc tggccatcat ctttccctcc 60
ctgtcaccta cacagtcaac ctgtcccaaa ccttggccca cttcatcctg ncttctgcg 120
gtcacagctg cctgctgggt gggagtccgg ggaatggta tgtgtggtca ccagagggca 180
ctgantgggc ttnagnggca tgtgaatcct ggcagagtct cggatccccg atggggagag 240
gagaaagcag nngccangac aacgagtggg ggaaggannng ccnggctaag tgacgggtgg 300
ggggtcnggg ttgtaactcc agtgtacaca ttgacagnct ctatattggc ttcaccagcg 360
ctnctctgtt tgtctcgtcc ctggat                               386
```

<210> 435

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1218810R6

<400> 435

```
cgcttgggag aaggccggaa gcttaccagc cgagaaggaa ttcctagcta gcttcagagc 60
cgggtagggt tgctgggac cttgtaggcc ggctgtgggg gactccccgg gtcgcacagc 120
cccattgttt gcatattgcc cgagcaggcc acggtggcct gcgcgccccg ggactcgcaa 180
gcagctccga tcggttgga ctcggggcgg cggcagcagc gctgagccgg cctggatgag 240
gagatgcagc ttctgcagg ggccaaggaa ggatctgggg acaaactgtc cggaactctg 300
ggccagggag gcgagaagga gagagagagg aagagccgag gcagatggag gactttggcc 360
acaactgcc a tgtactcaag agtagaaccg agtgggtaat gggtcgcttt gctttttgt 419
```

<210> 436

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2747633T6

PA-0020 US

<400> 436

```
tacagcagat aaaatcagtg ttactgctct cagatgttaa ggtagcaac ctttctggca 60
tatgctaatt catcatgaac tcccaatagc tgaactgaat ggcttttaag tacagctata 120
aggtctcatg gtataattcc ttttggtgat gccagtgaca ggattttaaa agctacattc 180
cattaaaaat taaaaatata gcagcttttc caggggaact agatcccaa attgtacca 240
gaactcttgt ctaagatatt aagttaaata tcttgcatgt atatatcatt atagtaaata 300
agtattcttg acaaccacag tgtaagaaat taaactttgg ctaattgttt tccccatcat 360
gaaatcagtc ttttgctgtc ttcataaata aattatgacc aaacattaca aatactttat 420
acatgtttac tgattttacag agaattttta ataatacagaa ctcaccagtt tcatagtatt 480
gtacattaaa ttataagcat ataaccactg ctac 514
```

<210> 437

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3119391T6

<220>

<221> unsure

<222> 401, 409-410, 415, 425-426, 434, 448, 450

<223> a, t, c, g, or other

<400> 437

```
tcagaggctc tgggtaatag cattcctgag attgatgaca tccattacct cactagtcca 60
acttctccag actaacgcag acttttctct tcccttggcc tttcctctcc tcgccattgg 120
gccaatccct tcgatttctc atttcccttg aagttagggc cattcacagt ttcattggta 180
aagccagttc caggttcaat agtctgtgat ttatccaggc tctgaggtat gcaccgcttc 240
tgttttgctc gttcctccaa gagctagtgt ggccagaaaag gggatgcttt ataccataga 300
acacatccac cttctagaac ctgctctaga aggccaggcc ctcagattcc acatggttgg 360
agttctggcc aagtctggag ctttcttcac actcggctct nagagctcnn ggtnagaaa 420
aaacnagca tggngagaga agacagtntn agaccgaggc ccctggagga cct 473
```

<210> 438

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2052083T6

<220>

<221> unsure

<222> 17, 28, 30, 233-235

<223> a, t, c, g, or other

<400> 438

```
attcagcagt acgaaanccc tccctggnen ctcccaccct ctcatggctc acaactggta 60
gaaaggtcca gaaatccttg agctctggaa aggtcccttg tcagtccttg gggagctcag 120
atagctatat tggaagaacc tgctcaagta cggttcttga tgtctgggga atcctttcgg 180
ggaagatcac ttcaaactca ataagaggt cccacagttt ctggggtgtt tnnngaggg 240
ggaggccttc tccaggaact tttcgccgca tgccaggcct gataacatct ttgaatacga 300
cgggtatcgt cctgccgtcc agagtgggga cgttcactgt gcagccacac agagcctccc 360
```

PA-0020 US

ggaggctgat cctggcagga taaatgacat cagagccatc tctcttaaag atattgtggg 420
gcttgctcctt taaaacaaaag acgatatcag ctggaatgtt gttggaggtc tggctctcctt 480
ccttggggaa agtgattttg gttcttcttt ccaacccttc ttcacttcga tggccaatat 540

<210> 439
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2701222H1

<220>
<221> unsure
<222> 14, 124
<223> a, t, c, g, or other

<400> 439
ggctattgta aatnatgggtg ctatgtacaa atatctatat tattgtattt acaagtataa 60
tgctgtaatg tacacacatc tttttgagat cctaccttca gttcttttga gtatatagcc 120
agangtggtta ttactaaatc t 141

<210> 440
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 708939T7

<220>
<221> unsure
<222> 2, 189, 358
<223> a, t, c, g, or other

<400> 440
gngcagcatg aaacaccaag agccccactg ctttctgctt tagaagcagc tttggtgcag 60
aaaagattcc cgtttcccca ccgagttctg ttgtctctgt acacacaaga agccagaaga 120
tatttttttt tcagtgaact ttctcctgga agcaaaggag aagctatggg agatccaggc 180
atggttttng cttctggagg ctgtttttttg gttactgggg tctcttcaaa gcaaaacggg 240
atcaggatga agagggggaa aggcattgggc cataaataaa taaggaaatt tgccccgatt 300
ctacaaatgc atctgatgga atgaggaggg tcaggctgtg agggattggg ggtagctnca 360
ggctgctgtt agggacacac ttgagctggt tcattccctg gagtgccccg caactgcgtc 420
tagggagagg caggcccaag caca 444

<210> 441
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1964291T6

PA-0020 US

<220>

<221> unsure

<222> 305, 396, 402, 417, 487

<223> a, t, c, g, or other

<400> 441

```
catattggct ctattaaaaa ctcaggtaat aaagcactaa gcttgatttt tgtattgcta 60
cagtctcttt cttctaaggg gaagaaaatc tccccaagaa taggatgcta cctgaggaat 120
tatgccgaat aaagaaaagg aatggatggg cggcagtgaa attttcttcg ggcatcaaca 180
tgcagaaaagt tgcgatgcct gctgtggcag ctgccgcctc tgttccctct tcattcactt 240
ccacaaatga cttgtggaca atttttgata taaaaatata tctggctcct gacatgccag 300
acagntcagc cttgctactg ttaaagagat cctgcacacc taggcgggag aggtcggagt 360
tgagagtgtg actctcttcc agtttgaacc tgggcnagct gncattaact tcaatgnaat 420
cgagattctc aggttagtcc actcatgcaa ctttttccaa agtcaactgt tcctcaatct 480
tcttcangcc cgtggactcg tc 502
```

<210> 442

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2455118T6

<400> 442

```
ccctttaatc agaaagtctg attaaattca atagtaactc aaactcttaa aaaatttctg 60
gaaaagtcaa caggatacat acatcacaga aaagcaggca gctgctgaca gttcttttgt 120
ggaaaagtaa gttgcgtact tacccaagct gcccaaata ttatcaagcc aagtttgttt 180
ttcaaaaata ggttttaaga tacaccaaag aaactatata atacaaaaat ttaacaatga 240
agttaaagta tatagcaaaa gccaaatatg acaacacaca tgtataatgt agaaaagaat 300
cctttcagtc ctagaaaact aaaatgggga gaacttactg aagggttaaca tacataaaat 360
gagtactaat agcaaggaat aatcctaaac attttcccaa taaactgact aagcctcaaa 420
aggacagctt aggaaaatga ttaacatgca gtttttcttt tttcctagcc aattcagttc 480
tacttagata aatctggttg ccaatcaata catatataaa ttaatttttt tctgctccaa 540
ttactacat tttttctttt caccttttcc ctaattttc 579
```

<210> 443

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2839121F6

<400> 443

```
gtttttaaaa ctataaatgt tgtctttttt atatttttat gaaaaagcag tagaaaatta 60
cttttgaaga aaacaggcta tttaaatttt gaaatatatg tatgttgtga gtttaaggag 120
cctgtaattg tcagttttac aaaaccatct gtgttcaatg gttgtaaata aattctcaaa 180
acatcatttc aaaggctgcc tacagaatat tatcacttga cagatagagt taataaatta 240
ccaatcaggg acattttata atgtttgtct ctgtaaagggt aatattagca gttaaagaac 300
acggatgaga aaagaatgtg ttacataggt tgcatacact gcagttaaat aaaactcaca 360
atgtgtgctc acaagctt 378
```

<210> 444

PA-0020 US

<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 356774T6

<220>
<221> unsure
<222> 481
<223> a, t, c, g, or other

<400> 444
gaaaaatata taaagccaaa agctcataat aaaattaaat catgatacaa ccaccacagg 60
caattaccat caaatacatt cccatgattt acaaatgtat cgcttataca gaggaagttg 120
caaaatcact gccagtacag acacatccag tctaattaac tatcgtctat tcatacaaca 180
gcaacaactg cagctcctga gaccacagaa ggacacagtg agcagctggt gactgagcca 240
gggtagcctc cgatcaataa ctgatcagag taatgagact tcgagaggaa tgcctataag 300
aaatctcaaa aggtatttgt ttgggtgcag aaacaaatgc accctccaca tttggatttt 360
ctctagaaga atctgtggcc aaatctctta tccaatggag gtactgagtg gctggatcag 420
ttaccatgca agctcacgat gaatgagatt gaatttgggt ctgtgtgcac actgggctct 480
ngggaggag gacaccctg tgtgttgctg ctgcttcgtg gctgtctact gtatccttca 540
tgtgtctcca aatgggacat gcccatg 569

<210> 445
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 414523T6

<220>
<221> unsure
<222> 19, 53, 73, 77, 139, 141-144, 322
<223> a, t, c, g, or other

<400> 445
tgcttaatgt gattctgana agttctttga cattctcata aaaacagcac atnccccacc 60
acccttcaaa gancaanacc cagtttgtca agaaaaattg cgtgccagtc ttttctggtg 120
ctgaatatgt atgttctgng nnnnttctg gacactgctg gtaaatttag aaactcgttt 180
agaaaagcac ttctctcgta ttcaacagcc tataggctca tggcgagaa tctaagggaa 240
aatggctaaa tccagcttgt gaattcgcg gctgtgatga ttctttccaa gtaaataaaa 300
accctcggtt cgccccgagc anccacataa tctgttcaaa tccaacaagg aaccagattt 360
tggacgcaaa gaaggatagc ttctactcgc 390

<210> 446
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1359550F6

PA-0020 US

<220>

<221> unsure

<222> 26, 66, 186, 216-217, 241, 267, 310, 318, 387

<223> a, t, c, g, or other

<400> 446

```
cgccaccttt ctgctgtgtc gctccntccg aaatcacaac acctacctcc acctgcacct 60
ctgcgngtgt ctccctcttg cgaagactct cttcctcgcc gggtatacac aagactgaca 120
acaagatggg ctgcgccatc atcgcgggct tcttgactca ccttttcctt gcctgcttct 180
tctggntgct ggtggaggct gtgatactgt tcttgnggtg cagaaacctg aaggtggtga 240
nttacttcag ctctcgcaac atcaagntgc tgcacatctg tgcctttggt tatgggctgc 300
cgatgctggg ggtgggtgntc tctgccagtg tgcagccaca gggctatgga atgcataatc 360
gctgctggct gaatacagag acagggntca tctggagttt cttgggggca gtttgcacag 420
ttatagtga                                     429
```

<210> 447

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1521513T6

<220>

<221> unsure

<222> 15, 66, 181, 183, 215, 221, 235, 255, 262, 271, 286, 289, 294, 302, 327, 333, 361

<223> a, t, c, g, or other

<400> 447

```
taacaaatc ttatnaagtc ctttgaagtt cagcgcacaa atttctcgtg tggggcggtg 60
ggtgtngcca tgttcttgct cttccttctt tacacatttg agttgtgcct tctgttctta 120
aagagatttt cctttgttca aaggatttat tcctaccatt tcacaaatcc gaaaataatt 180
nangaaacag gttacatcat tccaattttg ccttnggggt naagagtctc tcatngtggc 240
acagtctctc agggnaacta tnttggtggg ntcccttaca tccanaanc tcanagactt 300
tntcaaaagt gtgcogttca cccattncca ctnaccctcg acaacctggt ctgacagtcc 360
nataaaaaac tctctcattt taggtttctt                                     390
```

<210> 448

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1667912T6

<400> 448

```
aaaattccat agttatatac agtaacatca atttcaacaa cagcagtaca aagcacacat 60
ttgacttaca ggagcactga ttgccaaaga ataccaaagt gtttcacctt gatgatccat 120
gggaggaccc cacaacacta cagacaggta ggaggagaga caatgacatt ttgccgtgaa 180
cttagttgag ctacaggaa aacaaaaaca aaaaacacat caccaggatt ttgcatttta 240
cattcactag gatgtatgac agatagagtt aaaacatcaa caacttaaat ataattaaat 300
actttttaag aaatattatg ctttaaatata tttaaaaata atctctttgt ggatgttata 360
ataaaataat gtcacactgc acctggggga ggttggggaa aataaataag cttttcttca 420
```

PA-0020 US

agctctgact ctcagtccat gtatgaagg

449

<210> 449

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1694490H1

<400> 449

```
gtctggaggt gtccaggctg tggggaccac attgctccaa gccagatatg gtacaggact 60
gtcaacgaaa cctggcacgg ctcttgcttc cggtgttcag aatgccagga ttccctcacc 120
aactgggtact atgagaagga tgggaagctc tactgcccca aggactactg ggggaagttt 180
ggggagttct gtcatgggtg ctcc                                     204
```

<210> 450

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1818802T6

<220>

<221> unsure

<222> 445

<223> a, t, c, g, or other

<400> 450

```
acatagagag caagtccatc cattcatccg tgataaaatt ttagaaatat tttctataaa 60
atgttttagta ttttaattgga aatgaatcca gtataacatg acttccacag atacagcatt 120
cccattctca ctccattcc tattttgaga aattttaaaa atacagaaaa gtacaaaaaa 180
taagacaaga tatccctata ccacaatcca gaatcaatca gtatcttctt atatttactt 240
gaagtctttt gaaagagaag tggatgttta tataaaaagc tgaagtcccc ttttaaccaat 300
acccatccca cctcccacac tcattatttt cccttctcca ctcttcacag gtgaccacta 360
tcaagagttt ggtctgtatc ttccaatccg gttcaaaaac atgtacatac atatatgcat 420
ccattaccaa tagatagtac tgagntttat gaggaacttt taattccaat ttacaaaaaa 480
gtcattgtac tatctgtatc attctgcaac ttgattcccc c                                     521
```

<210> 451

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1855389F6

<400> 451

```
ctcctgaagc cagcgagacc acaagcccac tgggaggaac gaacaactcc aggcgcgcaa 60
tgaacaactc caggc                                             75
```

<210> 452

PA-0020 US

<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1905291F6

<400> 452
agcctgcata taatttttta ccttgtggca taatcagtaa ttggtctgtt attcaggctt 60
catagcttgt aaccaaatat aaataaaaag cataatttag gtattctata gttgcttaga 120
attttgttaa tataaatctc tgtgaaaaat caaggagttt taatattttc agaagtgcac 180
ccacctttca gggctttaag ttagtattac tcaagattat gaacaaatag cacttaggtt 240
acctgaaaga gttactacaa ccccaaagag ttgtgttcta agtagtatct tggtaattca 300
gagagatact catcctacct gaatataaac tgagataaat ccagtaaaga aagtgtagta 360
aattctacat aagagtctat ccattgattt ctttttgtgg taaaaatctt aggtccatgt 420
ggaaggaaat ttccatggtg ga 442

<210> 453
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1968621T6

<220>
<221> unsure
<222> 504, 598
<223> a, t, c, g, or other

<400> 453
gcactcagca ggatggctct agagatccgg cctccccag tctctaaact gcttttcagt 60
taattttctg tctctttgcc tgctgtatat gagtaatgag actgtttttc ttggttaggtt 120
ctcgcatact ctccaggatg tttgggtttt tagagacacc tggtcctcag ctggggacaa 180
tggccatggc tcattacctg gccttcaggg ttcaagcagg ggacatatac ccctaaataa 240
cctaaagggg atccatcaca ctacaaccac cacctccacc gccatcatca agaagccact 300
ggctgactga gatacacttc caggaggaca agacagagtg gatgctggaa agacagggca 360
ggggaccatc accagggaaa gacttcattc ttggaaggac atcgaaccgg gggcagggtc 420
gtagtggagc cgctgtttct tctgctgtat ccaaaagttc taactcttcg gctttctgca 480
ttttcagctc tttcttttcc tggnccttctc attgctggtt cctgcacacc tcccctctat 540
tcctccccc aatatattcg ttagtctaaa ggaaatttct tcttcctatt cccacantc 600
tcagat 606

<210> 454
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 522294T6

<220>
<221> unsure

PA-0020 US

<222> 109, 122

<223> a, t, c, g, or other

<400> 454

```
ttatttttact gtgtacgccc aggatccagg caatctttcc agacacatct acttcccagt 60
aatatttccc cgaagagaaa tattggcagc cgaagacacc aaaagcagna aaatcacatg 120
gntttgaatt cttaaattgtg caggtgcgta cagtttcact gtctctgat 169
```

<210> 455

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2469208T6

<400> 455

```
atatactgtt ttaatggata caaaaataaa tattcattca gcatattaaa gatatgtgct 60
ttgacattca tttgaattgg agattcaagc ctattgttat cttatgaaca cttcagcaaa 120
caggactgcc attcttaaaa atataatgct ttgttggaca aaagggacaa gccacgtccc 180
ctggctcctct cctctattcg cctgtgaact ccattccacac gtaaaggacc tctgggtctg 240
actgtccctt ccacaggcat ggtgctggga aaaggaaaca ggcatactct gctttcagat 300
tttaaaccgg aaactctcac agt 323
```

<210> 456

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2642654F6

<220>

<221> unsure

<222> 445

<223> a, t, c, g, or other

<400> 456

```
tttttctgcc tccaaaaggc tgggaatggg aaggagagtg gatagttgat cctgaaagaa 60
gcttgctgac tgaggcagat gcaggtcaca cggagttcac tgatgaagtc tatcagaacg 120
agagccgcta ccccgggggc gactggaagc cggccgagga cacctacacg gatgcgaacg 180
gcgataaagc agcatcacc agcgagttga cttgtcctcc aggttgggaa tgggaagatg 240
atgcatggtc ttatgacata aatcgagcgg tggatgagaa aggctgggaa tatggaatca 300
ccattcctcc tgatcataag cccaaatcct gggttgcagc agagaaaatg taccacactc 360
atagacggcg aaggctggtc cgaaaacgca agaaagattt aacacagact gcttcaagca 420
ccgcaagggc catggaggaa ttgcnagacc aagagggctg ggatatgctt ctc 473
```

<210> 457

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PA-0020 US

<223> Incyte ID No: 2651610T6

<220>

<221> unsure

<222> 7, 310, 314, 405

<223> a, t, c, -g, or other

<400> 457

```
gaaagtntcc cttccaaatc acagctgtaa ctaaaatcca accattccag gaaatagaaa 60
tatcaacttg ggggcttcct gagaatgtca gattgtggat tgcaagagtc aaaaagagat 120
tttccagtc caccctaccca ctggacagat gaggaaactg tggctgaagc gaggggtgggt 180
gtctgggagt aggaaggggg tgtggggccct ggcggtatgt gctggagcca ccttgagcc 240
accacctggg caccctctgg ccctgccctg gtcctcccta tcatggctgc tgttggtact 300
ggctctctgn gccngttaga agtcatccag cacactctgg atgtattcga aggtcggccg 360
ctcctccgga cgggttttcc agcagcgcat catgatgtg taganctcct ctgggcagtt 420
ctctgggcca ggcattccgt atccacgctc cagagctcgg atcacttcag ggtttgacat 480
ccctgggtaa gggatccggc cgtaggtgac gatctccatc agcaggatac caaaggacca 540
gacgtctgac ttgatggtga aggagccaaa gttgatggct tcaggagctg tccacttgat 600
gggga 605
```

<210> 458

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3558108T6

<220>

<221> unsure

<222> 133, 182-183, 374

<223> a, t, c, g, or other

<400> 458

```
ctccgacagg acgcacacac acggcactca tgctcctaaa aactggggtt tgtgaaggga 60
cattataaaa atgaggaaat aagctgtgat gttcagcatg tgtcagtttc taggaatata 120
gagaagggga ganctgcaag gtggagcgat tctgagggct gaaaatccct ttcccagtac 180
gnngacagca tccttcaatc ccgccagctc atgtgcatct gaggggtggg ctctgtcttc 240
atgctagaaa ccaaactgct ctacacagct cctgctaaat caccacggct aacggataag 300
cagagacgga ctatccagtc tgactactgg gcactcaagt cgtcagttca gtgggtaccc 360
gggaacgggg gcanacagtg tgcgtgcacg tctacggggc 400
```

<210> 459

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3810351T6

<220>

<221> unsure

<222> 145, 266, 331, 352, 355-356, 376

<223> a, t, c, g, or other

PA-0020 US

<400> 459

```
ttaaaacaat gagaagtgtt attgtcatta tactgccatt ctataaactc actgatacaa 60
tctgcccggg attcctgttc tttggccaat cgaactctct tgatcatcgc ctcaatttca 120
tctctagcct gcatcacatc tctgntaatt cccaaaacct taatcaaagg tctcttatgg 180
tccagggaaa tgtaatatTT aacttcttct gcagctcatt caactcctga tactcctttt 240
catcaaagtc tttgatgcac tcatcntcac tgggtgaagg acactgttct ttttcaatca 300
ggtcttgtag ccaggagata gogtattcca nacacgtgac atttttacca gncanncgaa 360
aagttgctga ttctgngttc ttttccaaaa ccaaattgatt ctttttttgg ggagat 416
```

<210> 460

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2075438T6

<400> 460

```
gtccagcagg aaacccttta tagaaaaccc aaatcctcat cttggagttt ctcccttcagc 60
cagggcagca cttgaaagag gttgatgtga aagtctcggg cgtgagcagg tacctgcttt 120
tgccgcttct ggttttttga gacatccact actccccagc tgattacacc aacttgaatg 180
aaacgacttc tcttgtgaac tatcaagggg ccgccagaat cacctctgca agtattgggg 240
tcagcatagg gactcactcc tccagtacaa aggaaccgag gggtgaccac ctctgagatg 300
tccttgactt tgtcatagcc tggggcatat tgagcatctc tctcacagct gcctttctta 360
tccccattct tgatgtagac ctccctccga gtcagttttt ctccctctca gacacaaaca 420
gagctttgat atcctgtgca ggg 443
```

<210> 461

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1929583F6

<220>

<221> unsure

<222> 215, 282, 297, 328, 357-358, 377, 380-382, 402, 410

<223> a, t, c, g, or other

<400> 461

```
gagacatgag cctccaactg tgtggttggg ctcggtagca catcgtggga cttgggtgtg 60
cgccccagaga tggtttggcc ctgcagtgcag cagagcagcc caagccgcca ccatggtgaa 120
attgctagtg gccaaaatcc tgtgcatggt gggcgtgttc ttcttcatgc tgctcggctc 180
cctgctcccc gtgaagatca tcgagacaga ttttnagaag gcccatcgct cgaaaaagat 240
cctctctctc tgcaacacct ttggaggagg ggtgtttctg gncacgtgct tcaacgntct 300
gctgcccgcgt gtgagggaaa agctccanaa ggtcctgagc ctcggccaca tcagcannga 360
gtaccgcgtg gccgaanccn nnctcctgct gggctttctt cntgaccggn ttcttgagac 420
agtgatcctg 430
```

<210> 462

<211> 465

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>
<221> misc_feature
<223> Incyte ID No: 1870501F6

<220>
<221> unsure
<222> 394
<223> a, t, c, g, or other

<400> 462
ttggagtgaaggatttggt aaagattcca taacaggatc tgggttagag aatgcaacca 60
tctcagtggtc tgggtattaat cataatatca caacaggcag atttggtgat ttctaccgat 120
tacttggttc tggaaacttac aaccttacag tagttttaac tgggtatatg ccattgactg 180
ttactaatgt agtggtgaaa gaaggaccag ccacagaggt ggatttttct cttaggccaa 240
ctgtaacttc agtaatccct gacacgacag aggctgtatc aactgctagc acagttgcta 300
tacctaatat tctttctgga acatcatcct cctaccagcc aattcagcca aaggactttc 360
accaccacca tttccctgat atggaaatct tctngagaag gtttgccaat gaatatccta 420
acattaccgc gctttattcc ttggggaaat cagtagagtc aagag 465

<210> 463
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1873942T6

<220>
<221> unsure
<222> 53, 97, 329, 413
<223> a, t, c, g, or other

<400> 463
tcctttatatt gtcccaactg aggggtgggt gtggggtggt aaataagatt tagnaataggt 60
ggggacgctg tacaggggggt ccgggaaggg ggctggnggc aggcagcagg tcagtgcacc 120
tgaggctggg ggtgcccgtg gcagagccct cctgggtggct cagggggtgg gccagcttc 180
tctgcctcct gctccactga ctggctcccg tacgactgt cttccttcac ctctgtgctg 240
ggcagcttgt ctggggtttc tggacccctc agcagcctca ctccctcctc taggcccattg 300
tcagacaggg cctccagtag acctgccang tccccgccag ccagctcgta gctgcgagg 360
aggctgccac tgggtgaggt tgtctgtcgg tacgtgtcta ccaggctgcg cancccagac 420
gctctgccag ctctgccag ctgccctggg cttctggccc gtctagcagc tgctccaggt 480
tctgcagagc tgtatcacca agtgacagtc ccggccctgc tgggctgggc g 531

<210> 464
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1865713F6

<220>
<221> unsure
<222> 16

PA-0020 US

<223> a, t, c, g, or other

<400> 464

```
aagatgtttg gcgtanagag ttaaattctca aataggctat taataaagtc tacaacatag 60
cagatctgtt ttgtgggttg gaataattaaa aaacttcatg taattttatt ttaaaatttc 120
atagctgtac ttcttgaata taaaaaatca tgccagtatt tttaaaggca ttagagtcaa 180
ctacacaaaag caggcttgcc cagtacattt aaattttttg gcacttgcca ttccaaaata 240
ttatgccccca ccaaggctga gacagtgaat ttgggctgct gtagcctatt tttttagatt 300
gagaaatgtg tagctgcaaa aataatcatg aaccaatctg gatgcctcat tatgtcaacc 360
aggccagat gtgctataat ctgtttttac gtatgtaggc ccagtcgtca tcagatgctt 420
gcggcaaaaag gaaagctgtg tttatatgga agaaagtaag gtgcttgagg tttacctggc 480
ttatttaata tgcttata
```

<210> 465

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1726703T6

<220>

<221> unsure

<222> 515, 536, 539, 554

<223> a, t, c, g, or other

<400> 465

```
ataagaacag ataatttaca attaacatta cagtatgtac attgcaataa atacatgggt 60
gtaaacagac aaacaagact gtattacagg taaggctcatt tggtgagaaa aaaaatgcat 120
ggcacaaaaa ataaataatg cattcaaaaa ttatcataaa gctttctgta aaatccattt 180
cattcaagtt ttttctttcc ttgtctgtaa tttgttctat ctacattatt gtgaatttta 240
actgatataa aacaaaatta aaacagcatt attgtgttca gtaacttgca agctgaaatg 300
cactggtttt atacaaaactt ggacattttt ttccccatac agtaccaga tattgcattt 360
tcttatggca ttttaggaaa tgtaaagcca ctgtgaaaag gatattcttt tattcttttt 420
taaagcagta tatatttctg aagcacattt tgggcaagag agaagggcaa ggataagccg 480
ttgtacagtg cattagtccc tggctctctg gatantgagc cttttctggc aatttngant 540
ggtcccataa agtngggg
```

<210> 466

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1738538T6

<220>

<221> unsure

<222> 196, 206, 229-230, 239, 243, 252, 255, 265, 267, 299, 302, 306, 318, 346, 350, 391, 394, 422

<223> a, t, c, g, or other

<400> 466

```
cattttatta ttcccaaaga atcaagccca tcatgagtag cccacatggg tgctgttcaa 60
```

PA-0020 US

```
aggtactgaa aagggaggca tttggtcacc attaccatc aaggaactct ttacaaggat 120
aggttccaag tccttcgtgc tgctcttggc cattcagtga ctgcagtttt ggcccagaag 180
ccatccaaga tgagcnagtg ctgagncatc cttaactcat acctagatnn aacaacttnc 240
gcngaaacgc tngtntccc cagtnanccc ttagcatcat attccaatac aggaaaggna 300
tnaggncagc tttcatgnga tacatggaaa ggcgctcttt gctttnatcn aaggggaagg 360
tttctagcgg tctgctttgt agtcaaactc ngcnagaatc acacggttgt agccggtcac 420
cngtggacat gatgtgt                                     437
```

<210> 467

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1742602H1

<400> 467

```
gacagagttt gacagggaga tagaccgggg atccctcaac cctggaaaac agctgtttga 60
gaagatggtc agtggcatgt acttgggaga gctggttcga ctgacccatg tcaagatggc 120
caaggagggc ctcttatttg aagggcggat cccccggag ctgctcacc gaggggaagt 180
taacaccagt gatgtgtcag ccatcgaaaa gaataaggaa ggcctccaca atgccaaga 240
aatccaacta atggtatata ttgtagggta cagaat                                     276
```

<210> 468

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1822751F6

<220>

<221> unsure

<222> 381, 386

<223> a, t, c, g, or other

<400> 468

```
cttcggcagg gtcagccttg cgggtgcttg tggagtgggt ggctatggca gccggagcct 60
ctacaacctg gggggctcca agaggatata catcagcact agtgggtgca gcttcaggaa 120
ccggttttgt gctggtgctg gaggcggcta tggctttgga ggtggtgccg gtagtggatt 180
tggtttcggc ggtggagctg gtggtggctt tgggctcggg ggcggactgg ctttgagggt 240
ggcttcgggt gccctggctt tcctgtctgc cctcctggag gtatccaaga ggtcactgtc 300
aaccagagtc tcctgactcc cctcaacctg caaatcgacc ccagcatcca gagggtgagg 360
accgaggagc gcgaacagat naagancctc aacaataagt ttgcctcctt catcgacaaa 420
gtgc                                     424
```

<210> 469

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1823789T6

PA-0020 US

<220>
<221> unsure
<222> 472
<223> a, t, c, g, or other

<400> 469
tatacacata gtaaaaatta aagccatgta tattatttta aaatctaaag tgttttaaata 60
attctaccag ttgttttatc actggacaag aaatgtatta ggtttgatat ttacaaagat 120
gtttatgttg tctgctatct totattatag gtttattcaa agagaatata acctatagca 180
taaataatta aatttttcaa taaaaacaaa ctaaaaaaac cctagaaaca ttgacatca 240
ccaaattcaa cagctctcac tagaaatcca agcaataaac ttagatattt gaaataaaca 300
taaattatga ttatataact ctaagtcaca tacataattt tgaattatag taatagcact 360
gtaaacatga atacaaagga ttacagtttt atacagaatt ttttttgttt ttcttctttt 420
agggcttatt tctccttgga aagaacagaa tgatctttta aaaaataaga gntatatagt 480
aatccagaa aaaaattcca atagctgt 508

<210> 470
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3214119F6

<220>
<221> unsure
<222> 181, 259, 374, 392, 417
<223> a, t, c, g, or other

<400> 470
gtgaggtccc aggccccaca cccatggaac tggaggccga gcagctgctt gagccacacg 60
tgcaagcgcc cagcctggag ccctcggtgt cccacagga tgaaacagag ccacaggcag 120
ccttaagcct ggtccccata cacagcgctg aagtggcagt tccagcggt gtccctgcgg 180
nagaggctga ggccgaggtg acgctgcggg agctccagga agccctggag gaggaggtgc 240
tcacccggca gagcctganc cgggagatgg aggccatccg cacggacaac cagaacttcg 300
ccagtcaact acgcgaggca gaggctcgga accgggacct agaggcacac gtccggcagt 360
tgaggagcg gatngagttg ctgcaggcag anggagccac aggtccctag gcctggncta 420
tcggaggcgc tttccctgct cctgttcg 448

<210> 471
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3230628T6

<220>
<221> unsure
<222> 42, 47, 58, 130, 288, 307, 317, 361, 405
<223> a, t, c, g, or other

<400> 471
cattgaatgt ttacacatac aaatacatct taaagataag gntctcnaaa ggtttttnga 60

PA-0020 US

cattccatca cccctgtact tgggtggtcta tcacagttgt gtgtactcct gacttgacta 120
ggtgtgagan gatcgtatgc catcttgtac tctttatcaa aagcatctat atcaatgttt 180
tctcttccca gtgccacaag tgagagaaat agtattttctc tgtataaact cctctgtcct 240
ttaaaatgtg gacacttatt cagtgtctct aaaatctgac tcattgggcc atagacatca 300
ttcattntaa tgctttntac catacttttc aacagttcct gggttaaata gttatcactt 360
ntttgcaata aatggaccat tggataattc tgggtgagag cactncagag aatgcacaag 420
gg 422

<210> 472

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2697170T6

<400> 472

tatataaaat agctattata aatgcacata gtgtattcta tagctgccag gtttactttt 60
ttttttttta aaggaaactg taagttacac tgtggttaag acttgtatct tcacccttga 120
aaaagcccac attctatcac agtgatgtat ggtcagactt aacagcccca attgttaaac 180
acttgatca agtcataacc agttttattg caaaaggacc ctgtacacat ttatcaactc 240
tagtacctta atagcta 257

<210> 473

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2605603T6

<400> 473

acatctaaat ggaaatcaca atacaaggaa agatttaaac caaagcctca gattttcata 60
caaacgacac gaccaaactt ctaaagtatt ggtattacat cttaaaattg tcccgtatcc 120
ttaaaaaaaa aaaaagtgtg cactcacgtg ccttacagga tattaaacca aaaagctaga 180
attaacaaac atgccaaatg ttttcacttt gaatcgtaga cacagctcct atatttgagt 240
tttacagaaa aggcattg 257

<210> 474

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2618045T6

<220>

<221> unsure

<222> 484, 496

<223> a, t, c, g, or other

<400> 474

atgtacattt ctttccacag cagcacttca ttcattctta aaaaatttaa caaaattaag 60

PA-0020 US

```
gctaaatcag agcgagctga taggaagggg tattctatgt ggtgggtcttc ttaaagaatg 120
ttctcataaa tataggatgt tctgcagaca agaaataaaa ataaaacatg ctgaacaaga 180
taccaaaaaat gggaaatgca gtagaaaatg agcccctttc taccaatcta ctaagaatcc 240
caactcccct gggaaagtttc agatgggatg tgagttcttt taatgaatgt ttatgatctg 300
atgctaagac tttctaaaaat taaaattcca cagtactagg ccattttata aactaaaacc 360
aagggcagtt gagtctccaa tataatccct ctagaatttt ttaagttaaa gtggacaata 420
tttgaaaagta ctaattttat ctgaagctgt ggtgcttgaa aggacaatcc ctccatttgt 480
ggcncttctc cctaانccca tgttattaaa ataaatga 518
```

<210> 475
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2633001F6

```
<400> 475
cctcggtgcc ccaagccgct gggagatgtc ccatgctggg ggtccgcacg tggctggagg 60
aggtgggtctt ccatccgctc tgaaatcatg tttcttagag aaatgcctcg gatgccgccg 120
acgcggtgct gctgccgccg ctttcgggtt tggccctca gaaccctcc tttctgagc 180
gcttccctct taggcctcag ggcagtttga tctgtgggga gaaagagcag ccatcgctga 240
gcctgccttt taaaatata gtgtatttcc ttagcccccac tctaagaaat ctatgttcct 300
gagtttgccc tctgccctcc cactccttcc ccttctcccc tctaaacctt ctcccatctc 360
tttcaaaatc ttttcccaga aaggcaggct tcaaccagcc acttccagct ttgtgtcttc 420
tctcaattac atagcaattt ctcttccca ccatcatggg gaagctggct ctgcttttgc 480
cctttgtcat caccaacaca acagatagaa attaaatata agtataatgg gtgtgcgtgt 540
gtatgtatgt ggtatgtata tgcatgcatg tgtata 576
```

<210> 476
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2506614T6

```
<400> 476
gtactcaaag ttgtccagtt aaaatctact tctctttgaa aaacaaaaat acactgaagg 60
aagatgcaaa gagctaaaag tggatatcatg attccacagc agtgattgta agacagtga 120
ccacagggaa atgggaaaac gtgaaaagaa acaagtatca ggaccaaatt agagaagata 180
tgagtagggc catcactaga ggtgaaaatg gagaaacctc agaaaaccag tgttggcatg 240
aattatgcaa gtggaaaata catctgtaga gggacgagat agaaggacct agatctaact 300
ccaagtgctt gattggagaa gagagggaga aagagaattt atagaattaa ctgtatagaa 360
gcctaaaaaa taagattatc agcctagtca tgtaaagtct agaagttcct ttatttgctc 420
atcacctttc ctttttctat aagactatta agcagaaggt cagtaacaga aaatttacc 480
tttctctccc tctcttggtt taaattttat aaggaatctg aagaggctat ggatcagttg 540
gcttacagtg ggaagagctt attgaagc 568
```

<210> 477
<211> 504
<212> DNA
<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 2972510T6

<220>

<221> unsure

<222> 432, 469

<223> a, t, c, g, or other

<400> 477

```
tttaagattt acagcaatgg caattaacaa tatagaccaa aagcttcgaa tttagctgca 60
tacttttaaa aaatggtaag aagtaaaaga tgcttttaaa gctatccatc tcagttctta 120
aatggcatct aaaccttaga agtcaaagt tacagcaa atttgtaaaa gcaactgtaa 180
ataaaaaccga acgcaaccac agcataatat aaccatgtag ccatagatat atgataaata 240
taaacaacag cttaatatga ggaccattag tcacagtggc aaaagttctt agatattgaa 300
aagaagatgt gttagggtcaa ctgctaagat ggtccacagt gatccctgcc tcctgatatt 360
cacaatctat catcaagata gcaggccatc ccaggacagc agtcaaggga aaatagttga 420
tgaccaactg gngcatcaga gctcaccatc ttggtcttca gctgttttnc ctggactgag 480
gtggtcactc ccatggagct ggtg                                     504
```

<210> 478

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2205246T6

<220>

<221> unsure

<222> 138, 152, 158, 175, 185, 213, 223, 243, 258, 266, 288, 299, 306, 308, 316, 320-321, 328, 335-336, 343, 346, 371, 381, 392, 407, 420

<223> a, t, c, g, or other

<400> 478

```
tgaaatattg tataatatga caccaataaa ctgtgcaaag gtctttgagg tagagcctta 60
tttaaattct gcactcaa atacataact tacataaata tgatcttctc agagttataa 120
acaaagttta gaaatatngt aaaatctcta gnattatnag aggtaattta gaggnaaagt 180
ggccngcctg ttcagtaact gatatttcag canaaggta tanccttctc tattgattca 240
tanagtgggg ttagcccntg gatagncatt tgtactaaca tacactgntt acattcatnc 300
tacagnanca tatgtnagan nccagagnat aatcnnaatc ttncancctc tgcatacact 360
cctatttggg nacttagcat nccactgcat tnactcttga tgaagtngtt ttcccaacgn 420
gatttttaag                                     430
```

<210> 479

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1902366T6

<220>

<221> unsure

PA-0020 US

<222> 52, 113, 130, 195, 216, 223

<223> a, t, c, g, or other

<400> 479

```
aactctatag gtctagcctt tggaccaaaa agagaccctg gagcagtgag antctcacca 60
aggtcattcc caaatccaac agcgcgagga ggcaggaggc agggaggaga cancacagcc 120
cccaccacan tttctgcaca caatgaggcc tgctgggaga agagaacatg aatgggaagc 180
tacagaagta ttganggaca gaagaacagg aaaatnggca ggngaggaaa 230
```

<210> 480

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1686561T6

<220>

<221> unsure

<222> 383, 400, 450, 486

<223> a, t, c, g, or other

<400> 480

```
gtttggtctg aggatacaca agcatctggc taactcataa aagtagcctg aagtgattga 60
taggagagtg tttgtagtca tttccatttg ctgccacatc ccttacatta tctacttgct 120
aagcactgag aggcccagaa tggacacatc aaactgtcag gaggaacata tgggacactg 180
gcacctgcaa tgggtttttt aaaagcagag aatgcagagc agtcacagac tccacttcaa 240
agccaggggtg tgtggagggtc tccggggaag agctctgcac aacagggttc ctgggggcca 300
gagggcctct cggggaggaa cagaaaaaaaa ccagccagga gtgctaccga ccagcctcag 360
ccagaatgct gtcagaacaa ggncccaaac atggcctggg ctcagtgatc tggggatgaa 420
cgggtgtcac agggaaccac ctgaaaggtn ggcagaggcc cccgtggagg agccacatac 480
tcttctctc tcagcagccg cagcaggatg ttttttttat cttggggccag ctgtagacat 540
gagtgttc 548
```

<210> 481

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1846209T6

<400> 481

```
cttaagagta tacttggaac cctcggagtc ctccatggac aagaacaggg tggcccatgg 60
acttccagcc aaaggtcca ctgtggggct gctttgggga gagactcaca gctggacttc 120
tctatccgac catgcaatgt tagccagcac caattaccca caatgctttg cccataagag 180
atagaaataa tggaactcac aggaagaaac agtattgata acatacacag gcttacagag 240
gccaggccca gtaattacca tgagacagaa gcctacaggt ggcggtgctt tgactgggct 300
gggattattg atacattact gatacatcac ttcttttata agcatatgta aaacgagtgc 360
tactgaaagt cgaaggacag cttccggggg agtcatgaac tctttcacta tctcatccgt 420
gacctccttg cgccgggcct ggtgctctgc gatcaagggc tgcagaacct ctatgagtgc 480
ctttcttgag ctcacccggt gaagc 505
```

<210> 482

PA-0020 US

<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2472702T6

<400> 482
gagggcagag tgctccagag gagaccaga tacatcaacc aaggacttcc ctgagatttg 60
gctttgctct tccaggcctg cacatgctgc gtgatgaaat gaggcctgcc tagacatctg 120
tgagggcctc gagggctgct gcctcgactt tctccctagc taagtccacc cgtccaggga 180
cacagccagg gcactgctct gtgctgactt ccactgcagc caagggtcaa aatgaagcat 240
ctgcggaggc caggactcct tggcatcgga cacagtcagg ggaaaagcca ccctgactct 300
gcaggacaga gggctctaggg tcatttggca ggagaacact ggtgtgccaa gggaagcgag 360
catgatttct ggagtggact acatgcatgg tctggagttc agtaaactgg aaagtttcac 420
ccccaagtct taatttaatc aaaattgctg aactctgttc aatcttcatt gttaaaagca 480
gctttaaagc tgggtgattt cttagtcaaa tgtataacga agcttttact tat 533

<210> 483
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2746232T6

<220>
<221> unsure
<222> 275
<223> a, t, c, g, or other

<400> 483
ctaggacttt tgacacataa gacaaagtct acatatacta ggtaaacaca agagcattat 60
taaattgggtc aaaaatgtca aaaaaaatcc catattctct tctggggaaa ctcagaaaga 120
tttcaagtat gagtgttaag aattagaaaa gactatcata agctttaaca ttctaaataa 180
taagtaattg aattatttca gtttagttac acagcatctt ttaaagtcca tctttgcaaa 240
ttatacgttg ctataaatac attgtgtatt tggcnttatg tgaatttggt taatccagtg 300
tcaattgtct aatgggtctaa agtgtcccat tgaagttata atctggatga actgaacaat 360
a 361

<210> 484
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 452968T6

<220>
<221> unsure
<222> 417, 484
<223> a, t, c, g, or other

PA-0020 US

<400> 484

```
ttgcaagcat taaaccaagc ataggctttg attctgtgag cccaaattca catattgaag 60
aagatcaaag caaactgtga tccatgtaca tggatgaaaa ctaaaggctc gagttaatca 120
cattgtagtt tttaaatttc tacagcctag agctcactag tcacaggctc tttaggctcct 180
tctggatgtc ccacagggtg tctgcacttt tcttgagctg agcaacctca tcatccttta 240
gcttctgggt gataacgctg gttaatcccc gggcattgag gatacatgga aggctcagga 300
agacttcatt ctcaatgcca tacatcccc tttaccattg ttgacacggg atgaatcctg 360
gatagatttt tcaacatgga ttcaataaga tcagccacac ttaatccaat agcccanttg 420
gtatatcctt ttagcttgat gacttcatag gcactttcaa ccaccatctt atgcacttcc 480
ttcnaatttt cactatcatt gtcagttccc atttctggat tcaattcctg gagagaaaca 540
cctgccacat tcacaccact ccacacagcc acacttgagt gc 582
```

<210> 485

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1491088T6

<220>

<221> unsure

<222> 9

<223> a, t, c, g, or other

<400> 485

```
gcacaacang ggaactttgt ggggtgtctg tggcttgcta cagtgcacac tggcaggact 60
aactgggtca tcagagccac agaataagga ctgggaaggt ggccacaact gcaaggactg 120
gggccatgtg gggggaggac tctgagactg accacttggc tggtaacttg gctgtccagt 180
gtatgggaat ctcaagtgag tcttggcctg aagtcagact ctgtctctga cgcagacgtg 240
agaggtcgga gtggcaggaa ctgtctcagct gctcatccgg gaacttgtcc tccaaggggc 300
tttgccattt gttttcttcc tgtacttgcc ggccccatca taatctccac caatccccgat 360
gaacttggat ccaatgacag ccttgatgtg gtcgaagtga tctgccacag tggacacatt 420
ggctgatggg ttgcactgta ttactcccat gatgtctgat acagacaatt 470
```

<210> 486

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1294238H1

<400> 486

```
ctcggctttg tttcctttca ggggtggcttt gcaaaatggt acgagatgac agatttgaca 60
aataacaaag tctacgccgc aaaaattatc cctcacagca gagtagctaa acctcatcaa 120
agggaaaaga ttgacaaaga aatagagctt cacagaattc ttcatacataa gcatgtagtg 180
cagttttacc actacttcga ggacaaagaa aacattttaca ttctcttgga atactgcagt 240
ag 242
```

<210> 487

<211> 431

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>

<221> misc_feature

<223> Incyte ID No: 884512T6

<400> 487

```
caacatctaa atttgcatac atttgatata tggttgctca ttttgcagaa cataacagtt 60
gcacattgca agagtcaact tgcttcgggt cttttcatgc tcatggcggt ccacccctgc 120
cttcctctct cctgaacctgc atcctgtcct ccacagtctg ccctgcctcc tgcgcccaca 180
ggttgaagac ccaagccctg aggagaacct gctgccaggg ggctggctgg ctgcgagcca 240
ggagggccag gcagttagcc ctgccacagg gaggggcagg caagggatcg tttctcctct 300
tcttgggctg agcccatgcc aggccagcca cagagtgtcc tagtcagccc atgtggctcc 360
aggaagcctg ctgttgttct tctccatccc atttcacccg cagctagtgg ctaaactctg 420
gatactctga g 431
```

<210> 488

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 933140T6

<220>

<221> unsure

<222> 303, 318, 344, 403

<223> a, t, c, g, or other

<400> 488

```
ttactaaaag ctcagttgta accactccta acaccactag cagaacctca agggagccaa 60
gagctcttcc cttttccctt gttaatttcc agtataatgt agcagcacia ttatttcattg 120
tcacatttaa gaagaacaag aaccaattta tataaagtac aattgtatat ctttaaaccat 180
tccacataaa cacactgtca aaactcactg gatatgctgg aattggagga cttaaatttc 240
tacatattat ttattgcacc cagagtactg gttaaaatgc actttctgtg aagatcaaatt 300
gonataacgt atgaggggat ttttaacact gtgaagtaca cacntaatat tataaaatgc 360
catttaattg gaaggagttt ctatcattgc aagtcataaa tgnaactttt taaagatact 420
agcagctttt acct 434
```

<210> 489

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1557811T6

<220>

<221> unsure

<222> 436, 442

<223> a, t, c, g, or other

<400> 489

```
gacccataaa tgcatttatg catttaaaag cacagagaca caagtcctca tatatgaagt 60
tggtatgggt acagaaagaa aataaatatt tgtgcacaca gagatagcat gaaatcattc 120
tacagtgaag ataatagcct ctggaaaaag ctttgaaaat cagagatggt gccatcacca 180
```

PA-0020 US

gacaacacaa gtgctgggggt acaggggcagc cctccatgca tctcatagca tttgcatggt 240
ttgtgagccc catttaatga cataaaatga gggcactgag ggaggaaaag tgaacagaca 300
cacaaccoga gagcacattg ttatttgttt attttgtaca agtgatgtca taagcaagga 360
ttttgcctgt gttctagatt atctccaata aataaataac tatgtacaaa tattttgagt 420
ttacaaaata gaaganggaa anctttgtct taccaaagtt acatttctat gatacattta 480
tttccataca c 491

<210> 490

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1747645T6

<220>

<221> unsure

<222> 451, 472

<223> a, t, c, g, or other

<400> 490

cttcaaataa gctgacacta tctggaaaac tcattctgtcc ctaaagccca caatgcgtcc 60
actgcttcgt cctcccatgg aacctgagcc tgacgtgaag gagtcagacg tgtgacagag 120
gaagagtctg agaagagaag acacctttac agaattgtaca gcgagagagc cggcctggcc 180
ccgggtttac agtaagatgc acgggtcctt tcagtctcac ggactccaga cggccacgca 240
ggctgctcag atggacgtct ccttcctatc cctgctgggc gatggctttg ccggctcctt 300
gcctgccttt ggctgctctt tagctgcttt tggctcaagg acgccgtctc tgggcggctg 360
gacggcacc cgcgcacct caggtcctcg tctcctgctg cctgctgctc ggccttggtt 420
cgggtgcatct ggagaagccg cagctgcacg ngcagtcgat gatggcctcg antcctcatg 480
aattgttgat tcaaataa 498

<210> 491

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1862007F6

<220>

<221> unsure

<222> 294

<223> a, t, c, g, or other

<400> 491

gcttagcaga cttgcgctgc accagcgaat ctgcctgggc tgctcctgtc ccacccaccc 60
tcactaagat ccatgtaagg ggctcctctt cccacctgga acttgtgagt ggggacccat 120
gatgtatggg tctcacctga cttgaggtga attttggagt gaagggccct gaggtcagct 180
cccaggtcgg tcgtgctggg ccaggcctgg ttttcacagg ggctgaagga tcccagtcca 240
cctgtgtgca tgtcagggtc cggccgggaa gaagccagca aagtcccccg tgtnccttgc 300
tgagtattct gtcacagaca agctccatta aagccacagc agtgctaacc aacaaca 357

<210> 492

<211> 403

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1968661R6

<220>

<221> unsure

<222> 128

<223> a, t, c, g, or other

<400> 492

```
atcaattaat tcaataattg accottgggt ctttgccatc cttaggcctc ctgttctgag 60
actaatgcgt tcagtcctct gttgtcggat ttcattaaga acacaagatg caacacaaac 120
ttcctgttct acacagtcag atgccagtaa acaggctgac ctttgaggtc agtagtttaa 180
aagttcttag ttatatagca tctggaagat cattttgaaa ttgttccctg gagaaatgaa 240
aacagtgtgt aaacaaaatg aagctgccct aataaaaagg agtatacaaa catttaagct 300
gtggtcaagg ctacagatgt gctgacaagg cacttcatgt aaagtgtcag aaggagctac 360
aaaacctacc ctcaatgagc atggtacttg ggcctttgga gga 403
```

<210> 493

<211> 660

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2207534T6

<400> 493

```
gaattccaac tgattaccat ttacagtgat cacaatgaaa ctgctcagag ttatcactga 60
acttcagtaa gaaaatacaa cagagtgcc aacagagagg ggagagggca ggagactgct 120
ccatcgctct gctcatgtcc aactgccaa ggccccacc acgggggtcc ccagtgcacc 180
ccagctccgg ggcagaagag gcagcctgca gatctctgct gccgggaaag agctcctgaa 240
gttgtggggg ctggactctg ctggggacgg ggccctccgc gagtctccca cctctcgggg 300
gactgcaggg agaggcgtct ccagtgggca gccttgggtc acttccatag ctccccagc 360
ggcttctctg tggcagtgcg gatggcgtcc tcagagagca cgcggatgtc ctcatggaca 420
gcttcgatgc ttttggaagc atccaccatc ttccagttca aagtcgtgtc tttcatgagc 480
tgggtgaaac acggagcgcc cgctcctgga aagccccgtt ctcatagcgc tcatggccaa 540
acgctccccg cttggcagca tccgccagct gtaactggag gaacaggacc aggtcgggtt 600
tgggaaaggc ccacgtctgg ctgtttacac caatctaggg aaaaattctg ccaagaaaga 660
```

<210> 494

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2326622T6

<400> 494

```
taatgtttat tttaaatcta attgaaatth atctgaaaca acttatttca agtaacttat 60
tgtacagtcc attgtccatt taaaaatatt ttcttccaaa aaactgcatt gaaagacaaa 120
aaaattcttt tatacggcat atacgcgaga tgcaaacctt tgatgtaaat ttgtttcact 180
```

PA-0020 US

gtcaactccg atgataaaga tgagaggcac aagggttcac agttcagtta aatgatgcaa 240
acaaaaagc 249

<210> 495
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2452694T6

<220>
<221> unsure
<222> 37, 123, 139
<223> a, t, c, g, or other

<400> 495
tgggttgagg gtggaggtgg gggacacagg tgcgcantgc acagagtcag cagcagcagc 60
ctgctccccg cactgaggac tcggcctgga ctgcagtgcc tccaaatcaa cacgcagcaa 120
gangggagtg cagggaggnc cctgaacacc aagcctctga aaggctaagg gacacagctc 180
cagctgtccc aggaaaacca gcaataataa aagtgaggca cggccccacc cacacatata 240
atctagtcac ccattcttcac tctggaggtc tgaagaattg cgacgatgac cccaaagagg 300
ccaatggcgc tgccaaagat ctccacgatg agaattctta caaagaggct ggggttctga 360
gcatcggcca gggcagcccc actgcccacg atgcccacgc agactccaca gaagaggcta 420
gacaggccta cggtgaggcc agccccaac atggagtagc ctgcatggta gttccgatgg 480
ccgatggctt gggg 494

<210> 496
<211> 199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3441613F6

<400> 496
ctcacttcac ttagccgaca ttccatgccc tgaccaatcc tactgttttt cctaaaaaca 60
gaataatttg gtgtgcattc ttccagactt ttccctatac attttatatg tagaaatgta 120
gcaatgtatt tgtatagatg tgatcattcc tatattgta ttgatttttt tcacttaata 180
aaaattcacc ttatttcctt 199

<210> 497
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3518439T6

<220>
<221> unsure
<222> 297, 348, 350, 352
<223> a, t, c, g, or other

PA-0020 US

<400> 497

```
atcaatacag tactctttta taatgaaacc atacttttgt tggagtcag ttacttttagt 60
gataattttc actccaaaaa tatttaagta ccaaatacaa acactgggtt ttaatgggtg 120
tttatagcat agtaagggtat ttacacaaa atatatttta aaactacaca atttctcctt 180
ttaagtgagc tcccttgctg aagctgctga agtgtagcag agcagggcaa tgggcgtcta 240
taggaggtgg ctctgctctg ttctgggggt ggtccaaagt cagggtggagt tccattntat 300
gaaaagcttg aaaaatctac cttaaggaga ctgaatatca ataccagnan cntctagagt 360
tcttggtgaa ttttcacaga aatactggaa cctcaaaaat cagatagtaa tttcaaacia 420
cattaatttc agatgatccc ttttatttag aggcctgca tctgttttga tcaagtcaca 480
tagccttaca ccaacttata
```

<210> 498

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3876090T6

<220>

<221> unsure

<222> 18, 423, 433

<223> a, t, c, g, or other

<400> 498

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attcaataaa cacaagtntt atgagtacct tgaagctcca gaatgtgctg gggaaagggg 60
ttgtgatggc caggaggagg atacccttca aaacgggctg ttccctaacc acatagaaat 120
gggaaagggg aaaaattggc agagaaagtc tagactctct ggcctaccat ggagcctagg 180
cccaggcccc caagatccca ccttcccaa ccccatggg actggagatt tttgtagctt 240
ccattggacc atgaggggca tgatgggagg cctgagttag ggtgaccttt tttgtgagcg 300
tctcatttga attttatctt cactgggtca tagatgtagc agcccacatc gccaatgttc 360
acacctttgg ggccaaacag gtagccgtag caggggacgt ggcagtaggg gactccatca 420
tgntcagcat gantcccagc agtcagggtc t
```

<210> 499

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 452336T7

<400> 499

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atgtcaaaaa cgtatagcat ttccattgct tagcttccat ctttaaactt aaagctagtt 60
aaaaacaaca ggaacaaaag taaactcatt tgattctctc aaaaaacaag ctgtaactta 120
cctttgcaaa taattaagtt ctctcacttt aaatatcgta attcactggg cttcataata 180
aataattata ataatatata aaaggagaca gtggcctgaa ttattttgca gagaacattt 240
cacacatctt ttaaaaaaat cactaaacta ccacaactta aaacttgtaa gaataattag 300
gtaagagtta ttgtaatat gaattaatat agcacctaga aatttgaaat ttgtaatat 360
tcagatgata tgatttactg agaaaaagag taatgatttt cttcagtga ttttcagggg 420
ttttcaacat aggtctcttt taaaaggggt taaaaaattt atgcatacta g 471
```

<210> 500

<211> 347

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 961630T6

<400> 500

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agagttttaag atccccatttt ttaaaaaagta caatacagtt gatttttttaa aatgaggttc 60
tacaaacact tttggacagt ctaacatata tataagctgt ccccttcaac taggatatgg 120
ggaaaagaag tcaaccaggt gtttccactt tccatgaagg acttctcaag ggcaaggtaa 180
taagcaggaa taaagcttcc aaaaacctgg aaggactctt tcaggtggac taataagcat 240
catcatcacc tgccttaaac tacagtaaag ccaagattgt taataatata gttccttgct 300
tttagctagt atagaaaata aaattgaatc acattgttga tggtaat 347
```

<210> 501

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 041795H1

<400> 501

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aagattttgc attagccaga tgctaggttg ttgaaggcat ttcagtgttg ataatagcct 60
gagcagactt ctttacaaat gggatctgtt tctatatgtg tatatgcca cttaccattc 120
agagagactg gtctttctct ttgtcttctt tcacattgct gtgtcagttc tacacctagt 180
cttttcagca cttagcaaat tcaaatttt 209
```

<210> 502

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1406908T6

<220>

<221> unsure

<222> 486

<223> a, t, c, g, or other

<400> 502

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tctgcccagt tacaacaacg aaatgggaaa ccacaattaa aattcacaaa ccatggcatg 60
aaaaacaaca cgcaccccat caggaattac accaaacccc ttttcctttt tattcattca 120
aaagagagtc caatacacaa gtgtcaaata tgagcactgt catttttttt ttcttagaag 180
ggggaaaaaac atttattttg gcagtgcctt gacaattcca ggaagtgggt ttgatactac 240
aagttgcagg aatagaaacc ctaacaaact tggagggcat ttgtttgaga ggcaagggac 300
gccttgctta gaaaacattc ctcttgtgct tagtgaatca cctatcgctt cggtgggctg 360
ctgtgtcttt ccaggtgctg aaagagaaaa cggaatttct tgcatagaca gctgaagagt 420
cctgtagagc agagtgattt ttgtatctcc aaccctcttc cccaacttga aacaaattct 480
caagcntctc tggagcatct tttggtcaca tga 513
```

<210> 503

PA-0020 US

<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1430933F6

<220>
<221> unsure
<222> 245, 389
<223> a, t, c, g, or other

<400> 503
gcctgccaga cttcaacgcc ggcgccatgg agaactgggg actggtgacc taccgggaga 60
actocctgct gttcgacccc ctgtcctcct ccagcagcaa caaggagcgg gtgggtcactg 120
tgattgctca tgagctggcc caccagtggg tcgggaacct ggtgaccata gagtgggtgga 180
atgacctgtg gctgaacgag ggcttcgcct cctacgtgga gtacctgggt gctgactatg 240
cgganccacc tggaaacttga aagacctcat ggtgctgaat gatgtgtacc gcgtgatggc 300
agtggatgca ctggcctcct cccaaccgct gtccacaacc gcctcggaga tcaacacgcc 360
ggccccagat cagtgaagctg tttgacgcna tctcctaaca gcaaaggcgc ctcaagtctca 420
ggatgtctcc 430

<210> 504
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1468353F6

<220>
<221> unsure
<222> 63, 124, 148, 164
<223> a, t, c, g, or other

<400> 504
gccggacaca gcctggagtg attgagcccc tcatcaagtt ccaggtggga tgaagaagct 60
gancttgcat gaggaggagc atgtcctgct catggccatc tgcacgtct cccccagatc 120
gtontggggt gcaggacgcc gcgctgantg aagccatcca ggancgcctg tccaacacat 180
gcagacgtac aatcc 195

<210> 505
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1500367F6

<220>
<221> unsure
<222> 52, 75, 97, 102, 119, 138, 141, 223
<223> a, t, c, g, or other

PA-0020 US

<400> 505

```
ctaattttga agtaggggtgc atggagaggg agaagtgggtg acagaacttg gnaactagct 60
ggctggggga acgangggaa ggaaggagac tgctgtntcc angctgaggt caggggtggng 120
ttggcaagag cgcaaaantc nagggagacc aggctggagc tgctgtgtat agactgccaa 180
atgtgaagta tttatattgt attcactaaa ctatacttaa gantgttcaa acaaa 235
```

<210> 506

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1561504H1

<400> 506

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gacgtttttg atgctgggga gcggccctcc tttgacagag acacagatgt gcacactgtg 60
gcttcctgt taaagctcta cctccgagac ctcccagagc ccgtgggtcc ctggagccaa 120
tacgaagggt tctgtctctg tgggcagctc acgaatgcgg atgaggcaaa ggctcagcag 180
gagttgatga agcagctctc cat 203
```

<210> 507

<211> 132

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1709659T6

<400> 507

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agatggaggt tactgaggaa ttaggtagcc ggggtggctta cccagggcat gtctgtgtag 60
gtaacatttg agaaaagaaa aaaaaaatca ggaggtcagg gaaagaatgt aaaggcattt 120
gtgagctctg ag 132
```

<210> 508

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1817550T6

<220>

<221> unsure

<222> 140, 153, 247, 419

<223> a, t, c, g, or other

<400> 508

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cacaaagttc tgtttcttctt cctggcagct tcggacgaaa ttacacaggc atctcccatg 60
cccaccaccc gttaggaatg tccattcctg ggctgcgtgc gcaggtccag cagccagtct 120
gtgcaggctc ctggtccggn cagggagatt gangcagacc cccacaagcc ctgaacccca 180
gtctcaagtt ttctgcacga cctgtacttc agtcaccaga cactcctcca ggccggcttt 240
gcccgcntcc cagaccacca gcttgtcgtt ttggaagctg tcaccgatgg ggtctttcat 300
gtgagggatg cggggaaaga gtctctgcat caccagatac cttctgcaga tcacgaagac 360
```

PA-0020 US

acagaccagg gccagcagcg tccccagcgc gatcagcagc gacgtccgcc aggcacgtnt 420
gtttg 425

<210> 509

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1852712T6

<400> 509

ccaaacagct cgatggagac accctgcact gcttatgggt atgctgcagg aatggcggca 60
gcgatgcccg ctacactcca tggcctgctg cacatgtgac aggacagtta tttcatctat 120
gcttacacct gcaggctcct taccctagaa acactctata tcttcttagg tacttccctt 180
gaaacaggat gagttctaga ggaaataaaa ctgctgcact tacaaaccta gaaatattca 240
gggaccaaga ttagttgttc agtgacctag gaaaccttag aatcctgtag gttcctcagg 300
agaggtgctt ccaagtactt gagaatccac aggcagagat gcttcccttt ccatggtgga 360
tgtgtatgtc actccaggac aaactgcgga gtcacggagt gtgggaacac atctggttgt 420
gtacagtaca ctatcccaga ggaaaatcac caaagcaaca caactctgca gcaaaaaact 480
agtcccaaag tcaga 495

<210> 510

<211> 106

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1861724T6

<400> 510

agggccagat tgcactgtgc tatataaaga gggttaaagg gagaaaagtc aacctgaaat 60
gatgtttcct gcaattatta accgatattt aaaaataact gcctga 106

<210> 511

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2449112T6

<400> 511

atatacagat ctgctgccct gttgattcct cagatttagg gtcttttagg aaagggtgaaa 60
gagggtacag ggcgcccccc agcaaggccg ttcattgtcc atcgagagct tctgctcatc 120
tggccctgga gctgggcttc cctgagatca gccccagggc actgggcgac aggtgccatg 180
ccaggcctag ggcggggttg gcatgagggg caggggctgg gaggtgctca ggcagcctgg 240
gtcatcagga actagactgg ctacacaggc gagagaacgt gggctggaga ctttgtcctt 300
gaggggagga cactggtgcc tcgggctcca ggaatggagg ccctgcacca gccgctggga 360
tggacacatg tgggcacctt gcatcggggc cgggtgactt caagggctgg ggactatttg 420
ctgttttctg tgaaccactg gagcaccacc tccttgttct ccttcacca cttgatgttg 480
gctttcgtct tctc 494

PA-0020 US

<210> 512
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2769161T6

<400> 512
ttgcaaccag aatccccggt cacgtgggga agggattgga gctagggatg aggcaggaca 60
catctggtcc ctgacaggac actccccgtc caggatgcaa agccaaaggc ccggaacagc 120
ctgctcagtg gctgagccct gtggccagct gtgccctgtc tcttcccctg cccccagtca 180
gggcatccaa cggggcagag gcagaaggga cgtgaaaagg ggggtcgggt tcagcaaagc 240
cttcacccag ggacctgaag gaagaaggag tattgtgatg ggggtccagg gcccgaagat 300
gctcagggcg cctgggctga cttcaggatg tgtccatgtg gttatcagag gaaagcgatg 360
gggcctgccc tgcccacgtg gagaggagg gagaggggaa acacggctca gaaggagaat 420
cactggccag cgaccataca ggtgggattt gggaccctga ctccgccgcc agggccgggt 480
ccacacccca ctccctggctg gg 502

<210> 513
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2855766T6

<400> 513
catgtattgt tactagaaca acttgtatag ggttttatgg tttggggaaa acatttttaa 60
aaaatggact tatctctatt atacagagtt ataataaaa aatgatttaa aggctatatt 120
tttcagcatg taggtagcta cactgtaatc ctgttgaaga aactttccta ttttaagctta 180
taggatgaaa atatataatt aaagtcttct gatcatagct tgagaccatc aagggaatgt 240
ttagtttcct ccacaaagag ccaccaggat tttctcataa tctcctttgg tttcatccag 300
gatggcttgc aaagggagat 320

<210> 514
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3034487T6

<220>
<221> unsure
<222> 36
<223> a, t, c, g, or other

<400> 514
cctcacttca aatatagcat ttcattaaat acatantctc cacggtgctc attacaaact 60
ccagacacta cttttaaaaa cccggtagtc acacataaac agcatga 107

<210> 515

PA-0020 US

<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3334413F7

<400> 515
acctcaccg cctcatcgac atcctcaatg tcttcttcca gagggatccc tctttgctgc 60
tgcataagct gctcctaggg accagtggag agggcaaggc ggagggggaa agctccccgc 120
ccatggcgcg gtccaccccc agccaggaac tgctccgggc caccagctc catcagtatg 180
tggagggctt tctgttgcac gggctcttgc cagctcatgt cattcggttg ctgcttaagc 240
ctcatgtcca ggcccagcag gacttgacag tgttgctgga gctgctggag aagatgggat 300
ctgt 304

<210> 516
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1266985T7

<220>
<221> unsure
<222> 442
<223> a, t, c, g, or other

<400> 516
taccacagag acagaccag ggctggctac gtgcacagga agtaacgctt gccacatgca 60
taaatacgtg aaggtgcaca ttacatcagc acagattcac aaaacacctc gccttgga 120
gaaaactgta gctaggcagc tcccgtcctc agggactcct gccacagacg tcatggagac 180
agcatgagcc tcccagaaac agtcccacag gcctagactc cccagagcag gagagcagc 240
ccaggctctg ttgcgagaca gccatcactt cctgttcttt gcaggcgcct aaggtagggt 300
acctggccaa ggttttggtg gaaaaaatga gttttttcaa tgttgaggtt cttttaatag 360
ttcatctgta ggaagtgcac ttgcaaagtc accaacctgc agcttccatc tgtagaccag 420
gaagggtgat tctctgggtg ancacagcgg gg 452